

tgattgggtc atggtctctc cttagcgttg aaataacctt cattaattaa ctcttgcctt 180
aactatatat taatatatac ccttaactta taccacgat tattaatacc cccaatgggt 240
ctgggatcta catcacactc ataaagtcga ctcataatna ttctatccac catttaattt 300
cttagacaaa tactttatta attaaatata tcttaatggc tctctttttg tttttatcag 360
tgatatacat gtcaattttt tgttggtgaa cacatgaacg ttaact 406

<210> 14239
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14239

aaaacgatgn gcattgatac gtaattataa cnaaacgtgg gcaggaaaca cgtaccctat 60
cacttctatt gtgcganang ggnngcaggc ctacgagcag aataatattc tcctctcact 120
ctgattatag gtttttggag catatatatg gttgtcgcta gggcttatta attgggtcaaa 180
aagttgtggg atagagtcac cggtggcata tttggactag ttaacgtcat tctgtgaagg 240
aagtatcgct gttgcaaaat gaacgatgct gatatatgcg tgggtgaagt ctctaanatt 300
acgatgaact tgtaaagggtg atatgataaa ttacaataac gtaaacaatt aacaaaataa 360
aaaaagtcaa atgtgcggct tgtgacatct acattattaa tgtccatttg agactactga 420
acgacactga atatctatca tcatatacag 450

<210> 14240
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14240

gggagtgtct tgtagncctc tgaattactc tgaacctgag atccttaaga gcgccgcggg 60
cgtgacacct attttattta atagggcggg acacacccat cgaggtaggg ttacaacact 120
ttaaaagagt ttataaccaa ctccaggattc aacagatgtg acatggacca tggctgctcc 180
gctaagaaaa tatgctaata gctatgttat cctggcctgg tatgtggatg acatgggtgat 240
tgcacgatct aagttgacag aatattacat gtcgaaacaa actttgcaga taactttgaa 300

atgaacgatac ttggtctacc tatacaaagc cttgtatgag aattctagat acagatcata 360
atgattctga agtgtctcag agaaattatc acacgtgctt gcaggtttac ctgatatcta 420
agacaggaat acccttagga tctcattgaa ttn 453

<210> 14241
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14241

cctactantg cattcanngc atncatacac antnnatact angcccttgg aggattanag 60
gggttggttc aagcattcca ccagattaaa atatttctca tagaagngaa ccaaattggg 120
ccatcactct ggacctttat catgaccgcc accaaattta agaaaatttt gccaggttct 180
acacttcaga agaattattg cttagcctcc aaaagaacgg tggaacctgt gacaccctt 240
gaatccgtcc tttaatatta ccagaaaatt attagggagg gtccttctta ccaggggtga 300
aggttccagt tagccacctc catggacctt ctattatggt cttaaccac cacctgatca 360
agaatttatt gaaaaacaga atatcagata tttgagatgt tggctttgct ttctcagctc 420
aatgcagata tgccatgagc agacaagaat ggcacacagc attacaacgt agtctagtt 479

<210> 14242
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14242

nnccaagatt tgagtaactt cantattagt aaactccgaa ccnnaaatga accgaaggaa 60
ggcaagcttg ttcaatttcg aaaatggcnc ngaccgacca aaaggaagaa tccacttcaa 120
ccaatatcac ccttaggcac aaccatacat aacattcaaa tcatgacaaa ggtggacaat 180
tagctagagt agcaaatatt atagcaatac taattgcaaa caacgggaaa ttgaccacat 240
taaaattacc ttctggggag gtccgtttcg catccaataa tggctcagca acaatcaaac 300
aagtgggaaa tattacagta aaccagaaaa atttaggcat angtgatct aaatgttgac 360
ttggtaagca tcctatagta agaagagtat aattatgaac cttgagacca tccacatggg 420

gtggcgaaag gagggacca ntggtagaaa aaccagaac tccttgatg

470

<210> 14243
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14243

ccactaaccg aactgggacg atantgttaa ctatatacac gaacctgaca actttccaga 60
gacgctggga gagtctcttt ctagnchnaan cncngngag angagggcca ggtgaatatt 120
aaaaaaggat tttctcttng aaagatggaa aatcctaatt agtgcgtgac aaaatggcta 180
cttcccatat cattattatg atatacccca aactccatag tctccttcac actataaatc 240
tttgagacct taggtgcacc atatagcttt gccacatatt attgtgcatt gatctgatgt 300
tatttaaatt aaacctgtac tgataaacca caaaggattt gcgatacaga gattaatgat 360
acattataga aacctggag caatctaacc aaaataatgc tgctgatatt taaccataa 420
ttgtgaac 428

<210> 14244
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14244

naaggattac cctangatac nctngantga gcaagagcac cggagagagc tcctaagagg 60
acctgagggg tgtgaacgtc tttttcttta taaagagaca caagggcccc caccctggg 120
gccctcttga attagacctt agagaaacct acccgtagcc aaatctagaa aaacctattt 180
acatgcctta aaatcttgct aacagtattt gtaaaacaac gaaaagtaga gcaaagatga 240
atcattggca gacctgctgg atgttaacgc ctctgagcta aaaaaatcaa atagaagtgg 300
agcacctgtt ctaaaacttt ctttttcttc ttactatgca cttactcatc gagtgttaact 360
gtagactgtt gaggaaccaa gactatttaa gaacatatac cttgtacgat attacg 416

<210> 14245
<211> 390

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14245

 ccaataccgg ccactccttt cataaccaat taacacaaat gaagtccttc ctctcatacc 60
 agtggttggtg ttttaacctca taattaccgc cacgaatcca atttcataag cgaatgatcg 120
 atcccactgc aaaacatcat ctccaggtagc aaacatctag aatgcaagac acacaatttt 180
 agtcttcaaa gggacattcc tnttattaat taaataacaa taaatcacat tattatctga 240
 aaagtattta acgcctcaga acaatcaaca tgttcttctt cattcacact agcttcgctcg 300
 ccattttaat cattcatatc aactttntca gacattatac tgtcatacat ccattgatct 360
 tcgtccatct taacaacaca ttcaaaaatt 390

<210> 14246
 <211> 78
 <212> DNA
 <213> Glycine max

 <400> 14246

 agtttgtttc aaagagggtcc aagaaggata aggcggccga agggactagt tccgctcctg 60
 agtatgacag tccccgct 78

<210> 14247
 <211> 401
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14247

 ctatanncat ctcccactcc aagtaggect ccgatcattc tttcctctaa aggggggaaat 60
 gtgatttnat acccatcatt cggttttgtc taagaacacc atcatttctt tcttctccct 120
 ccttcttttt cattatgatc tctattctcc atgtgatcca acctctcatg gagcgcatca 180
 tctcgntggt tcattaacct ctccatagt tgcacaaag ctngcatttg gaattgcgaa 240
 agtccccctc catcattang aattgttctt gccatctcaa acanacaaat caaacgtaac 300
 aagacaatta tagtctgctg tttgaatacc tcaccactc aagtgtatca cacaattatg 360
 gcttttctct aatgaaacac tcttgccctt taccactcta a 401

<210> 14248
 <211> 77
 <212> DNA
 <213> Glycine max

<400> 14248

agcttctatc aaggggagat ggaccatttc aagtgcctga aagattcatt gacaatgcta 60
 acaaagttga cctgccc 77

<210> 14249
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14249

nttcttctac agttaatttg tattgaacat ctcgataaaa tttaaattgt ctgatnnctt 60
 ttatagttaa tgtaacccat gattacagga ttaatctaac ccctcattag gaattttaa 120
 tagaatccaa ttgaatcatc aaaggaagca ttacaacaac aaacatgtag agaaaaataa 180
 gaaatatatg tagaaagcct atatatcctt gaaaccaatc tatgttacia atgctaaacc 240
 tgagcttctt gtagttctat atttgccagg tggttagtttt ggaagcaact angtgctaca 300
 aaaaataagg aggaccatct acctaagcat gttnttaact gaatgtgagg catttntggt 360
 tataactagt gaatactcgt gtttaagatt ctgcagtaag aatagttcat ggggtaaatn 420
 tgataatgag ctaattgatt atattctg 448

<210> 14250
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14250

acttggtgtg atgttagctt tgttcgtaaa tgctttgacc ttccaccacc atctgcatag 60
 atttagatta ttattattat atttaaattt taagccttgt atttggctat ggtttatgac 120
 atttgaatac ttagtatttc ttcatattt acttagtatg actgaacatg atgatttata 180
 ttacttgctt ttggtgttta tgggttatgtg tggtaaacct tattatttta tgatatatat 240

gtctagtgat atgtacttac atttgggtatt gtgtngatgt atgtcttata attattcatg 300
tatggtttat tntacgcact atga 324

<210> 14251
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14251

tacattttttg actttttaac atgagatgaa atacagagat tggacctcct gtaagttggt 60
atcaaggaat acctaaacac ctgggcctga gtggaaccag aaccctgaaa acggggggtg 120
aaccaacttt cctgaatctg tcttaataat aaacctcatc tattggaatg ttcacatttt 180
gttctccttt tgtctagttg catattctgt gaaaacaagg gataggtaca cattgcttca 240
tctttctcat catgcaatca atgaattntg atgcatacac ccctatacat aatcactgca 300
tgtntacca ctngaggaca agtgagttgt tatcttttgc tcgaggacan agcaaactgt 360
aaaattgggg gagttgtag tcatgaata cgactaactt ttgtgataaa acatgt 416

<210> 14252
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14252

agcttggtgn ggagtgtcat ttncagnnnc agaatgatct gagtacatat atatatatat 60
atgtctacct gcacatacat ctttgaggtn tttttcacat agtttaatgg aatcatatta 120
tctctattat tcacaccctt tgtttacact aaactagaaa taggccattt tcaatttctt 180
ttggtgatgg acaagcacia gctagtgtca ttacaattaa tgattaagaa attaaaatgc 240
aaaattactt aataagaaat ataatatcta ttatatatac tatatgtaat ttgatacctc 300
ttattttgta atgttataat aatacccaca aagcatgtca tgaaaaatat aaaattataa 360
atgtctttag caaggtatct acacacgtac gt 392

<210> 14253
<211> 450

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14253

 caactttgcg gactganacn gatgacgtac anttagacac taacctgcaa acanataagt 60
 aggtctatga tgcttttctt tgttctagag nactatgtaa tgaaactaac tgtttcttgt 120
 aatctatcat gttgcctgtc ctggtatata ataaattatt tcgggaataa aaaacgtttt 180
 ggtgggtgat atgccagtca ttttcttggt ggtaggtacc cctatcttaa gaatagttgg 240
 gccaccacct aatagaagaa acgtccttcc ttatagcata tgcccaaag acacttccac 300
 atggaaagtg cacccttgag atgaagtacc cactgtgag taaaanatca cttgggctta 360
 gtcataaatg ttggattgaa gaaagtgaac tngtaccaa aagaaatgca ttagggccaa 420
 tgacttgata gaaacagttt attgtaactt 450

<210> 14254
 <211> 509
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14254

 ggaagaggag ttganacctt agganactnn tganaacnaa annntggcn aaggagacac 60
 tnnanangag accggaaggc acgcaacttt ggttaantct ttataaaga ctngagcgcg 120
 ccgggggttc tcccccttg acaacatcaa aaagccaaag aactcggaaa tcaacacagt 180
 cttaacattg gagtaccagg atataagtat caaagtatta aatccattta gccaaactca 240
 taatcaagga aataatctaa ccagaattca attaccaata aatgtcaaca acccataat 300
 atccatgact tgaacacaag aaaaataagc acagtactta gcataataat gtaaattcta 360
 agaaactaaa agccacaata cacggcttat aagagatata taagcagaag tctaaatcta 420
 agaagacgga ggaggtggtg ggaagatcaa actctgacga atgatccgac attctcttca 480
 agctgtgtaa gacgaatgtc catccggcn 509

<210> 14255
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14255

aagtcatgca caagcactca ttntatatca agcanatcac ttattatcat aactggaatt 60
taatgactga aattttaaag actgaaacat agagcaacta aataactaat aactaaattg 120
ttcatgattt gtagaaatta aaacaaaacc aaattttaaac atcctgctca tctgtggct 180
gatcttcatt taaatccaac actatagcag ctgggtgcac ctgaagaatg ggctgctctg 240
gctccatggc tgggtgctgat ggcattggtt cctcagaaat aggtgctgga gagatacgaa 300
ctggagaatt 310

<210> 14256
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14256

ctacaacctg cttgcagtnt gagaatcgaa tctatcagga agtttcatac catccatttc 60
ttctcatcg atatccttga agcactgac tacactttct tccctacca gctctacctt 120
gtaaggtccc acctcggtat ttaataaata agacacaaac atgacggtaa aatattcatt 180
atttacatat aaactaaatt tgtgaaaccg aatggatagg agactatctt taatgagttt 240
accttggtct gtgtcttacc aatcaacttg ctctgtccct actacgtttt gaagtgaata 300
aggtcaataa agggcgtaat agtctttcat aaaagactaa 340

<210> 14257
<211> 190
<212> DNA
<213> Glycine max

<400> 14257

acagctgcat aaataatagg taatcattat atttccaac caccattca ttgtttgtta 60
cctaatttac ttcatgaca acatcgtaaa atatatacaa aaaagaaaga tgtagtatat 120
aagtataaat ttgacagagt aataatacat agatatctct ttattttaat ggtatcaata 180
cttctcatat 190

<210> 14258
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14258

ttgtcttctt attatgtata aactatTTtaa aatcgtaagg aataactttt tataagattg 60
 aactgaaaat aaataaattt tgggtggataa aaatcgtaac aaattgtgaa atcgtaaact 120
 caatgaacaa agaggggact aaagtaactt ttcgaaaatt gagggactaa taaaaataat 180
 ntttttgaga actaaaaata cttaccgaaa ttgaaagata aaaatatatt tagccttaat 240
 catcttataa atcagctgta gatgaagatg tccaccttat atacctaatt tgctatatct 300
 ctagacatgt gactcaacac a 321

<210> 14259
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14259

ttataagtgc ggggtctggga gacgaaggtc aagtgttctt ttatgcgaag atgatgttcc 60
 gagtacttgg gatttggtcc gaccatgccc tcttgatttc cagctgggaa attggcgagt 120
 ggaggaacgc cccggcattt acgcaacaag cataatgtaa acctttacgg ttttaaaagc 180
 tctatagttg ggcctaggct ntagagtttt cattntgtta aggctntgtg tcttttgttt 240
 ttgaatttat aatacaagga tctttcttca tctgttcttg gtctctaccc attctcatte 300
 atttgcattg ttacttcttt ntctaaaacg gcagattcga tgacgagtcc cccgaaggta 360
 ctaataacctg ggacctgtct atcaacttcg agcaagaaat gaatcanacg gaagatg 417

<210> 14260
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14260

aaaaaacggg cttagnTTac gtcngganTn canctngnna ccgggggatac tcttaaagcc 60

aacctgcagg ctggcaaccc ggggtattaa gggatataggc caggggaaccc tggaattctt 120
 ttaaccctac acagagagag aggtccccga gggtcgtcca ttcttccacc ccgaaccgag 180
 agacgcggat tccaaagtag aggcaccata ttcgcgaacg tggctcctct tccgcttcgg 240
 caccatnttc gttgggttca ggtctttcct aaaagcttca gggattangt tacgggtttc 300
 ggcgatcctt gtctctttct gggcctgcga cagcgagtgg ttcacgacgc ggaggctctg 360
 atcggagcan gcagcatgga acacgctctg gccgtcggag aagctgatct tctcgacgga 420
 gatcacgcag cactcctgcc agctgagctc accgagatcc gcaccacatc ctcen 475

<210> 14261
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14261

aaaaacttta ccttgattgg caagcaatac aaactcaagc ttctgagatt cccacgtgtc 60
 tttgaaactg atctctgagt tttgatacta ttgtgcctct cacaacaata ttttaataaat 120
 ttggatttgg tggattagtt aaaccggta ttcgcacccat aaaagtcaca actgcgggaa 180
 cttcgcaagc tattcttagg gaatcttaaa ccttaaatgg cttcctttaa ccttgggtctt 240
 ggagggttcaa cttaaccctt attgggttat gatattataa tttggtatcc aaacctgttg 300
 gtccttgacc tggattggaa cgggaaggaa gtagaccatc ctaaaaagcc actaggaaac 360
 ttctggacat tcgcatttct taatcacagc ttcttgccct gtgcttttga gtagaatatg 420
 gcanatatat atcanggtgc tgttatgaaa tatactacac atttgtgttt tgcgacgtgg 480
 tcatgtgtat an 492

<210> 14262
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14262

tttggaacct ttgaattggt ttgggaatta atggtggggg ggttttgggt cattgacaac 60
 tggtttgtgg ctatgcttca tgatgtatct tgggccatac ttgatgtaca ttgtatattg 120

gtaaatgttg gacatgctga atgaaatggt tgttctcaaa tgcttaaaaa caaaaagaaa 180
 atcgaanaat ataataaaaa ataaaaaatt cgaaaataga acaagaaagc aatacagttg 240
 agtgaata 248

<210> 14263
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14263

aacggcctcg actangctct tctagacccg tagcacttag agcancancc ncaattntct 60
 ataaataggg gtgaagtga gtaaactcggg ttcacccctc aggcctctc tctcttcgga 120
 attggctgga aaaaatggtt cccgggagaa aaatccagcc gtagccctc ccaaaccgtt 180
 tccttacgt tccggggagg atttcccaa aggttccaac cgtcctcaac gtcctatata 240
 tccttattct ctgcacttac ggtaatccct caccagcctt tcaatcttct tttccctggg 300
 tggcccatgg ggttcggatt tatctcttcg ttactttata ccctttgact gtaacattt 360
 attaatacatt ctcttacta aataataatt caccacgttg atgatatcgt actcgtaaata 420
 gatcg 425

<210> 14264
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 14264

ggaaggagat gacttagaca gcgattcatt cgaccgcgat ccctgagaca cccgcaggca 60
 gcaaaccggt tttttccggt tatggaatcc caacctagag ccttacacaa ggcaccgaat 120
 acaccgttga aggacacaat tcctttcaac cttaggggaa gagatccac caaaaggcta 180
 acctggaacc tacctggatc cagaaagatt atttatgaaa tggagggaag aagggttgga 240
 cctatatgaa ttcaaaaccc attggccagt gggtggtctt gtgtctaaaa acgatgttgt 300
 cgtctggtta tggtcgttgc gtaaaagcct gatatcatat caaagtgcag ttaacagtta 360
 agtttgatt aattgattaa tctatgggaa cctggataaa aaatgtgtat tgcgttatac 420
 gtgatgtttt ttctaccagt gcatgaa 447

<210> 14265
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 14265

tttatgaacg acaaacctgc acaacattgg cctatttatt cttcgtttag cctccaataa 60
 cctctgcatg ttagaataat tagctactta taatgcacaa ctttttttca taggttggtta 120
 tattttacct attgaattaa gtaaagtcct atgcagacct ctttttgtga ttccttcacc 180
 catgtttcaa tgtgatgggtg acattcatcg cgtctattct ttgcattgtg tatggactaa 240
 ggctcaagaa atacataccc ggaaccatga cccaacctta tactaaactt atccataaac 300
 ctatttttaa cattacaaat caaaattggt aatcatacat atcataatga atattaatta 360
 ttaggtaatg aaaagtaacc ttgaaataca aatcacttac atca 404

<210> 14266
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14266

naaatgatgc tttgatnttc ttgcaggcna atcacagacc cgagggaaccc nanaaggcga 60
 accggaagga agcgaagccn gagtcctttt ggaaaggacc aaacctnaat acacggaggg 120
 cgcgggggagc cccgaaacac acaaaacgcg caaattataa agccgcagcg cggagaaaaa 180
 ggaacggcaa aaactctata cactggaagc ccgggagaga cctgttaaaa tatccagaac 240
 gccgcaaant gaaaacggag ctccggaggaa atcaaagacg aaacctctat cggacgccga 300
 ttgaacgggt atatatcacg acgaacaaca atgagactag aagcgccgag caaattgaaa 360
 cgacaacaac cttatacacg gaggggtccgt tgaaccccg cgaatattccag acgcgcaaga 420
 ttgagaaccg aagctctgag aaaattgaga ggcaagaacc gtcgcaacgg aagccccg 477

<210> 14267
 <211> 548
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14267

agacaccann nnnnnaacgg gttagacccc aatcgganna tcngnatnan catnncatat 60
 tnaatachan nacagatnga ctggggaccc cgngggttgag aaggatgcga ggattatggt 120
 tttcntnngg aanaccnnga acctcagtgg aggggtggcc atcttgggga ttggttgggt 180
 ttaatgtggt gatcctgggg gatgtgggag aagttgactt tgccccatt gccccgacac 240
 ggcaacctaa ttcaccacaa tattaattgg ttaccccat aattcctaca aaccttgaa 300
 ttgaaggaag tgtggcaagg gtggagactt tctaacttta tttcgttgaa cacagaagg 360
 gtccctgaag atatgtcgtg ggggtcatga gacccttggg acgtcaggtg ggtgctattg 420
 gcccatacc agctttgacc atccccgacc acacacgggc atagtcagtc agtgagacc 480
 ttgatgtact aaacagcnag ctctaacatc aaccgttaaa gacaaatacc acaagcagga 540
 gcttggtt 548

<210> 14268
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14268

tagggcgccc tactctcctt gcagtataaa tctgacaaac tgaggataag gaagctacac 60
 taaaaagaat ggatcancat tcacctcan gaaaccagga tatttacact ggtttttaca 120
 atattcataa tttagctacat ataaattatc agaggggagag acaaattaac tagtgtaaat 180
 cattagtgtt ctttgggatac attcttcata agtatttata gaaatagaaa ataaaataaa 240
 aaagattaac atcttctcta aataagatta attaattata tgaacttaat tttatggaag 300
 tctctcattt ctctanagct aaatattaaa ttaatttaac tatgaaagna cttaataatt 360
 cacttacttt ctattt 376

<210> 14269
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14269

ngggtaatgt agtnncngt cgatnctata gcaannacan taaagcnaan cncnggnnaa 60
 acaccctaag agtgggtggct cggngaagtt ctgggttgaa ggaaaagaac cgnnnccggg 120
 gtatgaacta tattccaatg ggaacccttc acaatggcta tttggtaatt ataattttac 180
 cctttttttg gcatgaatgg ttgaatatgg ttactcttct attcatgggc tctgaagaat 240
 taaccattga atacctcaag cgagaaccag gggctattct ggataccaag ggtagaaatc 300
 gcaattgatt gtgctagagg tctttgggtc ttacatacct accaaggagg atgcattggg 360
 caccgtgata tcagggcaat ctttattaat tgaacatgac atgttccaaa attattattt 420
 gggttactaa atctctagat atggatcaat gcttctatat ctaaaactta nggaatccct 480
 atcaattggg tgacaatatn 500

<210> 14270
 <211> 103
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14270

agctttgttt atttgggtcct cgccagtgaa aggatcgatg tgggtccgaa nagaggcaaa 60
 tttgatcatc ctactaagac aactggaaaa actggggcca atg 103

<210> 14271
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14271

gaaagagatg gaccaacagc ttttcgtccg cggaatacac acccatcttt cggcaataca 60
 tctggagatg cctttttgga catgtcgtcc ctttgtactt atcaaagtct ggtactttga 120
 acttgggagg gatgacgatg ttgggcacga gacataaatc cgctaaatcc gagaatgggt 180
 aattgccaaag gccctcgact gctcttaacc tctcttcaag cgctcaatc tttcccttat 240
 cttccgcgaa gggaacagat tcttttacgg gtgtgggtga agccgggata tggcggacta 300
 tgctcggttg gggtagttca tggngggacn gatctatgag gtggagcatg gggccaagat 360
 gggatatctc ttctcatcg tc 382

<210> 14272
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14272

 agcttgggttc tgtgtttcag aggaaannga cgcnggcaac gtatcaagag caatgctggc 60
 acgactactg attcaactga tcatggtaga gagctagaaa tagttcatat gacactaaac 120
 gaaaagttgg ctgatacaaa atttctcctc gtttaggatg acgtgtggga acgaaaggcg 180
 gccttaatgg agaactgtgc tgaatgctcc ttgttatgga gctcagggaa gtacgatcct 240
 tgccacgaca cgcagtgaag aagtggcttc tatcatgcgg gcaga 285

<210> 14273
 <211> 445
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14273

 ctacaataaa aaggaaatga ctgagagatg tttntattg gattgtaaac catgaaagca 60
 ctcaacatga ccttgcaaaa cacaatgatt acggaacaat ggctctagat accatnttcg 120
 ataaactgag agagaatatg atgagaaaaa gacgaagaaa aaaaatctaa tattattgat 180
 atgaaaagtt agttggagtt agttataact gaggtattta tagacctcta catagttgaa 240
 ctaaccataa ctgattctaa ctaatcccaa ctgacttcta actaactaat cctattgaga 300
 tgcaaataga aaagttctta cactccctaa attactaact aacactagat gggatttgtt 360
 agcaaaagct aacaaccctt acaatatgta tctatcactc aatgggtgat gttagcaaaa 420
 gctaacaagc cttacaatta atata 445

<210> 14274
 <211> 338
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14274

ccaccaaccc cacacaacca cacgatccaa aaacaacaag caacaactan naaannaana 60
 gggaccctca acaccataaa annnngtggt nttgataaaa aaaaaaattt tttaaangaa 120
 gaaaggggga gaaaaaaaaa aagaaaaaaaa aaaaagaang ggaaaaaaaaag aaaagaagag 180
 agagaaaagg aagaaaaaaaa aaaaggaaaag aaaaaagaaa aagaaaagaa gaaaaaagaa 240
 gaaaaggaaa gaaaaaagaa aaaagagaaa aaagaaaaaa aaagaaagaa gaaaaaaaag 300
 gaagaaaaaa aaaagaaaaa aaaaaagaaa aaagaaaa 338

<210> 14275
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14275

cgacgaatct ggcagtactg ancacnnatt tatcannacn nccgnnggaa gaggaggagg 60
 gagtttaatt cntnnnaanc annnacgggg cggggggtca aatacacaac ccacccccca 120
 aaaaaacata atttcacccc gctccctcgc cgagtatcga gctaactaca taacggcaat 180
 accgaagagg cacaaggtaa ggagaaaaac aactcaacta taggaatgta acgccagaac 240
 acagactagg tggacgtaca caaagataaa ctccacagtc attgactgat taccaagtag 300
 tgatgggcca acacaagcaa caaactagat gtaaagagca cgtgacgtcc gagccagcac 360
 aaggataacg cgcaaatgca tttc 384

<210> 14276
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14276

agcttnagtc ntttttatct gcacaaggct cttaaagggt gaagactatc cttgtggaac 60
 cttcacccga cgaagacact gacaaaaact tatcttctcc ttcttggaca aagtatggca 120
 ggctgggggc aagtaaatTT tcttcccatc agaccttgga tgcaactgtg atcgtatacc 180
 catatcagct agatcttgaa gggatttcaa gccatccttc gtcttgctt gaagttaaag 240
 gagcgttcca atgacactat cacagacatn tttttccaca tgcataacat caatacaatg 300

tctaacgtca agatcacacc agtactgaag atcaaagaan atggacctct tcttccatat 360
gcaactttga cttttatcct tcttttgagt cttccaatac agtat 405

<210> 14277
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14277

gacaccaaag gataatgtat ggcttcactt gtnnnnnctt tncattnnng ggctcaaaca 60
tcatcacagc tcttcaactc ttcaccaaga cctcaatatt atttcatttt cccccctaata 120
tctatgctnt caactctgtt caccgatttc aaatattctg agataagaca aattaccatc 180
atatttagat attagcaacc agagtttcat tcaagataaa aagtacatta acacaaaaaac 240
tttcaattgc aagtccacct gcaagattaa atagaaggcc aggcttttga acatagatac 300
ccttcanata aattcaggca gaaacgatgg ttgaatatcc aacaaatcac attcttgcaa 360
tctatagttc atttgaagca tatntaaaac ctcaaatacc tgtatgaaga aattcttctt 420
ttgcattt 428

<210> 14278
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14278

ggtttgtctt ctntgttgaa cttanagagg taatttcata gttacttttg cttctctctt 60
atcaaattct gagttataat tttcattttg cattttatta tttggcacag aaatcgttta 120
gagatttggga agaactctgaa tatgaagatg ggggttatag gccatccctt agtccccgag 180
agaggcgtgc cagaagacag ctaacaaaaa taacaaaaat gaatgacttc attcaatcat 240
ctatgctntt cccaaagggtg tgggtgtggtg gaattgcttc cacaggacac gttttctatc 300
ttctttnttt aattttaaaa agtttcaaata gagatatact ngctctatcta gttcggttgg 360
cttcatttct ttctgttctg taattattcg tattatt 397

<210> 14279

<211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14279

actcaagcct aatgttntat tgatgatcat caacatattc aaagttttgt atacattggc 60
 aagaagtggg gctccattgt tcaactatgaa gttgataatt ggctctatat atggctctac 120
 atcgctatta aaaacggatg tactgtgtgg gtaggcgggt gcagcaatga aagcagagta 180
 tattgctgtt gacaccttga gtcggccatg caaattggct aatgaaattg ctntttgaat 240
 gttggtcata gcaggtagaa tgtattggac cgacctcatt ggtattgggg ccaatttcgt 300
 ttccaacaac gatgtactta aaattgacgt ctcgtagta ggggtgtcacg tacttattga 360
 cccagtctct ggctgcatta gcgttngtca gagattgaag ggtatcctta gcaacgtcca 420
 tgatcaactc aatgcctgaa cctc 444

<210> 14280
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14280

ggttttttgc tngttgcctt aaatagcttc aagcgggatg tatcatgaaa tatagtctaa 60
 ttttatcatt atgtccatat tcgtggtgaa aagctgctcc tttttgttgt ataataaaaa 120
 tactacaaat tacgcaagat gaatttgtat tataagataa tcaccgtaat tgtaattaa 180
 tatctcattc tttatattta gtctctatta ttataacaac tatccaatta tatataaaca 240
 tgtatgtatc gtgtgggggt ga 262

<210> 14281
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14281

acgcatgctn gacagagaag tattaggggc agagacattg tcctttagt tgtaacggat 60
 tggcatacca gttaaagtgt ccaagatatt gtctcttct gaaccatctc taggagactc 120

gggcaacctt tgctttcttc tgtggtatct aactcccca aagaccagac cacaaatgac 180
aagcaagggtt attatgacaa tgaccacaac aactatggtg tgcttattgc cacctccact 240
gccccataa cccgtgccag cacctccaac cgtcgagacc ttgatgtaga gacataacca 300
gaatcacaat cagggtttctg aaagcatcct acactgttca aaaggaaaca gtcccctgaa 360
c 361

<210> 14282
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14282

tctgcttgat ggtaaactag atgcttagtt aacctggtaa cccagctagc gttgaatcag 60
aaatctatac ctgtcgcaaa agtctatggt ttatgctcct ctgncgacca ccacacagat 120
cttttcctt ccatgcagca acctgaagca attgagcagc ttgaagctta tgctgcaaac 180
atttacaaca gacctcctca acctcagcag caaaatcaac cacagcagaa caattatgac 240
ctctccagca acagatacaa tcccggatgg aggaatcacc ctaatctcag atggtctagc 300
cctcaacaac aacaacagca gctgtctcct ttctttcaaa atga 344

<210> 14283
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14283

tactaagctt ctttggactt gacaggcaac taactcctct ttantatcat gctatgtgct 60
cgcgactggt ccttttcttc ccttcgcact tgagttcact atggctaccc catagagctc 120
cgcgaaattt ggtcccgcca tactcttctt tgcgagccct cttggtctct cgttcaaggc 180
tcttgcggtta attgcattct ctccccgtaa cccggcacac tccttccgaa cgtgtgtagc 240
agccaacttg aacttctcct tggcgagttt tgcctttcct aactcgtttt tgagagcttg 300
gacttctctg tctctttccg gtgcttcaaa attcccttcg ctgacgactt ttaacttggc 360
gagccaatct aaacctcgta tg 382

<210> 14284
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14284

ctcgggaata tccgggagat gtgtggacct ttatgganaa gtatggaagg atatggaagg 60
 aagtagaaga gtgtaaagac tcctagatgt gtgagcatct agagaataat cttcacccaa 120
 gatacagtaa tctccacatt cattgggagg ggagtgtata atagctaagt agagcctctt 180
 cctattatca gacagagtaa tcatttttaa gtgaaaagct aaagtaagag cttttgaaga 240
 aaataatact gaaaatttat tctagctgat gaccccgaga tgatcattat aacc 294

<210> 14285
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14285

aaaaaagggg gtggcttgat tngcggngna tatncanacn caagctatgg agggcattac 60
 cttatggatc taaatttgag gggtnatttg accataagtc cctaaaaanat nggntggacc 120
 aaaaaaacct aacattgagg caaagaaatt ggtaaaagtc cctaagggat accaatttga 180
 gcctaactat tattccaggt aagcccatgg aataactgga ccctaagta aaaaattcct 240
 ttcaatgggt ggtttgatgg gtagagaagt ggaccctcta aaacaagtta aaaaccatta 300
 atttggcatg gtgagatcac tttagtaaca ataaagtggg taatgtgaga agtcacaacg 360
 aacttttgag cgagatctgg aggtcagaag ttgaccattc ttgcagcctg tagagtcata 420
 tcgcaggaga gagagagttt agaggggact gatgagtctg aggttcagga anggttgcn 480

<210> 14286
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 14286

tgacaggaaa ccctcatgc taattactga gtatctaaga ggggtatgca aataaaacat 60

aattccttca gatgtccacc tagttttggt ttaacaaact atgctttaa tgaatcctgt 120
 tcattatata tgggtgaact catcatacct aaagaaaagg ccgctagtct gaactgctat 180
 cactttccat gatattgcac gatggtgctt acatattatt ttcttattta tctctaaagg 240
 aatatttgaa tgaagaaaat cattgaggag aagagaaaat atctactatg acattagcca 300
 taaa 304

<210> 14287
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14287

naaaatcatg gactacngna ttagnattna cgtgacacta taaagcantg ngccgntgac 60
 atcancacgg ntagctagta tcatgcacat aatttagaat tttcntcgct anaacgaggg 120
 gngncggaga tngcgcgcct naagegcacc atcnntcac ttaagggccc aatgggctg 180
 ttaagcatgt ctttgtgttg tgccctaata ccaaatactt ccctttattt catatttttn 240
 tctattttct gcattttttt gacatttaac ccttcatttg catatctgca ggcataaata 300
 agaaaaacat caattcttaa aattaaacat atataaatgc taaataaata cttttaaggg 360
 tattttcatt ataaaaaata cctcatgttt accagttatc tttcaaccat ttctattgct 420
 aaaatcaa at ccaatgcgcc agaccaaca tatctatgtt aaatttcatg ttatcacccc 480
 aacaaaatga ttttaacaac actgaatcta atacg 515

<210> 14288
 <211> 232
 <212> DNA
 <213> Glycine max
 <400> 14288

accactacc ctagaatcaa aataactcat tgccattaaa ctagggaatt aaaaaaact 60
 taatggctga gtgtaactga aattgtggca accaaaagtc aacccacag ccaacaagtc 120
 accaccatt ggggtctcaa aaggctgatg cctacgttgc aattgtgccc ttattacaag 180
 ttgaactaga cctaactaaa gcccttttag ttgattaacc caaacataa tt 232

<210> 14289
 <211> 374
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14289

 taacggaagc tctcgagata tccaanggggt cttcatnttt tctcatcgta agtccgatcc 60
 agaccgctta tattcccgag ccgctcaaaa ttgaaccacc gaagcctctg aaaaacctca 120
 atgggcatta tttgtaacac cggagtccca ttcagggcgc ttatatattg agaagctcga 180
 attgaaccac cggagccttc gagaatttca atgggcataa gtttgaaact gaggtccatt 240
 cagcgcatat atatcgaaag catgaattga acacggaact ctgagaaatc aatgtcatat 300
 ttgtccacga gtcgatcata tgctattacg aacctcgaat gacacggagc ttcgaaatca 360
 atgtctactt caat 374

<210> 14290
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14290

 gtagggttac aggactttcc attagtccta taaattggcc atatactcag ccggtattag 60
 gcctcatgag ctttctcata ttaagcacct tacaggattt accttggggtg actttccttt 120
 aaatacttgg gtgttcaact tttatcatct aaattaaatg tatgtcatta tgctcccttg 180
 ctttccaaga aaactggcct gattcangga tggagcaaga agtctttatc ttatgcangc 240
 aagttagagt tgatcaaagc ag 262

<210> 14291
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14291

 gaaacttaac tacttgctga aaaaaaaaaa cttctagaat ttaaccctat ctttttattt 60
 taacaataga caattgcaaa aaaaaaatca agatttgaat tgactaaact ctataaactg 120

ggctgattaa ttatgagtta aacagtctta attatttaatt aataaatatt aataacattt 180
aaattgtaca gcataattta tactattcac agaggtattg gagggagaca gagagaaggg 240
aaccaacctg gtcttttggg aaagtagggc aacaacacca aagatganaa acataagaag 300
cattccagag tgctcaaagt cattcatgtg agcggngtta aggactccac caacaaaaat 360
cttgaggtgt ggtgaataca aaagctcgat g 391

<210> 14292
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14292

tttttgtctt tcttattcat tcaatatcga gcgttgcat atattatgga ctgaatcana 60
caaccgagta aaaagttatt gtagtttgaa gttgctcaga gcttcaactt tcaatatcga 120
gcgtttcgat atgttacggg actgaatcag acatcanaat aaaaagttat tgctgtttga 180
attatctcag agcttcagta ttcccatcgc agcgtctcga tatattacgg gactcaatca 240
gacatccgag taaaaagtta ttgtcgtttg aatttgctcc aagcttcaac at 292

<210> 14293
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14293

ttgagtcctt aaacaacaat aactgtttac tcgtttgttt gattgacacc tgtaatatat 60
ccagacgctc gaaattgaat accgaagctc tgagcaaatt caaacgacaa taagtttcta 120
ctcgatgtt cgattgactc tcgtaatatata tcgaaacgct cgaaattgaa gaccgaagtt 180
ctgagcaaatt tcaaacgact ataacttttt actcggtatgt ctgattgagt cccgtagtat 240
atcgagacgc tccgacttga atgccgaagc tctgcgcaaa ttcanacgac aataactttt 300
ttcctcgat gtctgattga gtcccgtaat atatcgagac gctcggactt gaatccttag 360
ctctgagcac atcaaatgac ataactntta ctcgatgtca agtgagcccg aata 414

<210> 14294
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14294

atcttcttat ggaagcttct caaggaggtg agcttagtta tgagaggggt gtgtgtagct 60
 aagctctagc ttctcaagga agttttctca aagaacctct cagggaagtt tctcaagaat 120
 cttctcaaga agttacctag tctataatag agcatgtgaa cactggtgaa ctntgatgat 180
 gagagcttgt aaacatactt caagttcact ttctctctct tctccttcat ttcggctccc 240
 ccattctctt tcttctctt tcttttctca ttgaacatct tccagcttct atccaggctg 300
 atcttggtgt gaagctcttc ttcattggcta tccctaggga tgggcctct 349

<210> 14295
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14295

tgacaatnng ggaagacaga tacactattg tttttatggt tcattgatag caattcagca 60
 ggcactaagt ggttgacagac cctccactnt agtttagttac aacattccac tagtttagtta 120
 tacaacatca ttctgttata accatttcca attctgttag aacaattagt ataagtatat 180
 caagcagtgg aatgaataaa ggaatgagaa caattacctc aattagctnt ctttagttcc 240
 ttagctgtag cagtagaata gagtagttat tcgtatcaga cattaacaag tgcaaattag 300
 atatggaggc tngtagacaa cttgaagatc ctctcagttg ctcaatatat ggaattaaat 360
 aaccacttaa actctttgct tcatcaagaa gagcactntt ggaagcaaag ggcgaaaatc 420
 tattggttga gtgat 435

<210> 14296
 <211> 106
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14296

agctttgttt gcacttttca atggagnnga caggaagatc ttcgaactga tcaacacttg 60
cacagtggcc aaagaagatt ggaagatcct gaaaatcact catgaa 106

<210> 14297
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14297

gcttaacatt caattntgag cgtctcgata tatgactaga ctttatctta catccgagta 60
aaaagttatt ttcgttgtaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgct 120
atattacggg actcaatcta acatccgagt aaaaagttat tgcgtttga attggctcag 180
ggcttcaaca ttcaatttga gcgtctcgat atatgacgag actcaatcag acatccgcgt 240
aanaagttat tgcgtttga attgtctcaa aggttaaaca ttcaatttcg agcgtctcga 300
tatgttacgg gactcaatca gacatccgag taaaaagcta ttgctgtttg aatttgctca 360
gagattcaac attcaatttc gaacgtctcg atatattatg ggactcaatc 410

<210> 14298
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14298

agtttagttt ttttncattc ncgtcggcag gagaagccta gatgtggctc tattcattca 60
caggtaacag tctaaagaca tgggaggaag ttgttgagaa atttatgaat aaatacttcc 120
ccgagtcaaa gctgcagaaa ggaaagctgc tattttatca tttcaccaac ttctgatga 180
gtccttgagt gaagcattgg atatgtttcc gggtttgtaa gacagactcc cacacatgga 240
ttctctgaac caattcagtt gaacatgttt a 271

<210> 14299
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14299

gactaaacgg agtagtttaa gccatgtttg tntattagtc gtttangcta tgttataaag 60
tgaagcaaga catanataat gaggtgaaat taatatgagc cttgcaaagt caacaaggcc 120
atgttagtcc aatgacaaga gctnngngcta tgagaagtaa agggactatg gcaaacatag 180
ttgctaaaat tcgtacaaca gtcattggtag caatgggaca gcatgggtct actagattga 240
agctttgaaa gactaacgga gtagtttatg ccatgttttt tttttataag tcgttttaggc 300
tatgttataa agtgaagcaa gacataaata atgcgggtgaa attaatatga gccttgcaaa 360
gtcaacaagg cctaatttgg gctgctagta gtttaagaat actt 404

<210> 14300
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14300

agaggacaga aaagagaaaag aaagacagaa ggaaaaaaaa aaaacaaaca acnaaaaaaaaa 60
aaaagaaaaga gaagtagctc tgagacatcg annacaaaaa nnnaagnagg gaaannagaa 120
gaaagaaaaga agaaggtggt atagtttagg gaannnnaag gggagaagaa gganagaagn 180
natgaataaa gaaaaaagga gaaaaaagag agggaaaaga gagaagggaagg aggaaaaaaaa 240
gaggggaagt gaggtaaagaa aaaggaagga aaaaaaaatg tgaaaaagat aaaaagagaa 300
taagggaatg aagtgaaggaa aatggaggag taggaaagaa agatgagngg aaagaaaatg 360
gaaggggggaa ggtaagggga aaaaagggag aaaagggagg aagaagagga gaaaaaaaaa 420
aagaaaaagg gaggaagaga g 441

<210> 14301
<211> 340
<212> DNA
<213> Glycine max

<400> 14301

ctcgactcaa agaaagtcatt attagtctca tacaattaat atagaacctt taccctattg 60
tcacatccta tcagagcgtg gtgttcccggt gtcctctagc atgaggttct tcatagtcatt 120
tcacctattt atctgctcac ccgaacataa gttcaagatc atcacaggat ccatacaaaa 180

caacacacag ggagtgagtt atcacattcc tagctgatag agaaacaaga caattgaata 240
 tacatattat ataaatgaga taccacttgc tttaacatag ctcacgtaac ttcaacactt 300
 cgctattcac aattcactcg tcaattatca atcacattac 340

<210> 14302
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14302

tgtttgcttt ctncctttatt aatatnaact atcttccatt ttgagttatt tgggaccata 60
 taatctagaa cgtaacttct catcatctca ttcaacctct taggctctta gctatggaca 120
 tgatagtttg tcctaatttt tacttcaaca tgctcgtttg gacgtggtgg tcattttgtg 180
 acaacagtgc aagtaggaga tgctgattct ttccctttct gcttcaagtg ttgggtggtg 240
 gcggttgagg actcgtgctt gtgcgtctcc ccaattttat cggaagctnt ctgatcaact 300
 cgaaccgatg atcaggatag attcaaattt tgtgtgaatt ttccccacaa tgg 353

<210> 14303
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14303

agcagttgca gaagtcaatg tatgtgctaa tgactattat cattnatatc ttacctattt 60
 tgaattatgg ccttggtttg tgtgtctaga ttggcaccag actcctacat acacaatatc 120
 tttcattgca agcttagcag tagtcccaaa acccaatggt tatgcgcaac caagtgtcat 180
 gatttctata ttaccaattn tgctagttgt taatgttgaa tcatagtttt ggtctctcat 240
 ttagcattca tctcatattg taaacttatt ccgtgtcgtc cagatttana acaaacttct 300
 cttactttat ttcanaatca ttcttttggt taccttacia ctcactcaac tctatcatta 360
 ccctttttca atatgcagaa ttaccaacat gcaaacaat ct 402

<210> 14304
 <211> 179
 <212> DNA

<213> Glycine max

<400> 14304

ttgtctcctt gttatgtaat aatgcctttc caggattgac ctttaccatt aaaacaattg 60
gcggaattg gaatcctaag gttaattttg ttgtgatgaa gggttcacca ctaatgaacc 120
ctactgctag tctgttggct aagcaaaatc acccccatcc aattgtagc tcaaggtga 179

<210> 14305

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14305

tcatggttca gtgtcatgtt gatcatgaca ataaagtata tttggatttg accatgaact 60
agttttaagt ttacttggtg atatagtttt tttgtataaa attatctttc aattntgaat 120
agcatagtaa cacctatttt agaacaccaa aacanaattt taagaggcta ctatcgtgta 180
agtacaaaat tttccctggt ctgtaaactc aaggtaaaaa cacctgcttt catacaaaaa 240
acgaccaaag aatatggcat aactagtttt aagtttactt ggtaatatag tttttttgta 300
taaaattatc tttcaatttt gaatagcata gtaacaccta ttttagaaca ccaaaacaaa 360
attttagaag gctactatcg tgtagtacia aattttccct gttctgtaaa ctcaaggtaa 420
aaacacctgc tttca 435

<210> 14306

<211> 237

<212> DNA

<213> Glycine max

<400> 14306

tttgtcttat cttgattagt gacaaaaaca cagtggctaa tataggcttt tttgaacaca 60
ctccttttat attataatat attagaaaga ataaaattag tcaataaaat cagtaaataa 120
gatatgagac ccacaaattt tgatgatttt tctttataaa tttcaaccaa taaaagaata 180
tgtggttaaca ttttctatgc aagctgtatc attttctctg tatcaaggga acttaca 237

<210> 14307

<211> 439

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14307

actaccctga gaaccacaag gagtcacgca tgctacttga atatctggag ggacaaagng 60
 cagcatccag aattagtttt gagaaccatc aatttaagac catccttggt caagacaaca 120
 cattcaacca ctttcatgat cagaattttt atagctcttt atacaataaa acatgagaac 180
 atagcaacca tgaacatgct gagaatcatg aaaatacatt cctctttctc tgttgcaaac 240
 cgaaacctta atccgtaaaa atgaaggaac atatacatc catatgcgca gtgatctcaa 300
 tagatagtca aatactcaca aagattcata tgtagtcata aacaaattat ataacttgta 360
 attctcatta taattgaaca actgccatag aagtttgtat ataataataa atacgacagc 420
 attatagtca tggttatatt 439

<210> 14308
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14308

ttcaacctct cttcaatatc cttaacccca ccaaaacaaa ccgtgggggg cagtgttcta 60
 tttctgattg gcttgcccct ttttcgcac atcctgcaaa aatanaacat aatctttcaa 120
 attggtagaa tgaattataa caatttaatg ttttttgaaa aacaacttaa atggcaaggt 180
 acataccttc caaaaagggg ctttgcgagt ctggcaaaac tgggcccatt tttccttgct 240
 tatgtcgtat ntctcacgga cagtgtcgtt cacaccgtcc tgatcggctg caagggccta 300
 tntccttggt aggtctgatn taaactgcct ccactctctg ccgacagtct gaagtaactt 360
 gttttttgtc ctactatcag aagcctctgg gatttcaaaa tccgcttgac aataacaaat 420

<210> 14309
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14309

agagatgatg gccttganac cncccnatag taacatcctg acgaannngn gatngnggat 60
 ttggccggag atgtggatgt tatataagtc ctaccggatt ggaatttttg atgggtgatt 120
 ggtgtnttta ccatggagtn ctaaagaagc aaagacattt gtgacacttt ttactttgtg 180
 aagccgagta tgtagctgca acttcttgca catgtcatgc catttggtt agaagattgt 240
 ggaagaactt cagttgttgc aaaaggaaag cacaaagatc tatattgata atagatctgc 300
 acaagagctt gccagaatc cgggtgtcca tgaacgaagt aagtatatag atacaaggta 360
 gcatttcatt agagagtgc ttaccaaaaa aagaagtaga atngactcat gtgaaaactc 420
 aagatcaagt tgcggatatt ntcaccaagc ctctcaaatt ttgaagattt tcgaagattg 480
 gcgagcagac ttggtgg 497

<210> 14310
 <211> 230
 <212> DNA
 <213> Glycine max

<400> 14310

atctgcaatg caatatgtct cctgtcagac actctgagtg tactctcaca agaacatcat 60
 gtccgtctcc aatgtcacc tgtcaaataa aaaatgtcag aaccactcaa tggtttgaag 120
 ttgacaattg aaccaatcaa tcgaagtaag atagcttcaa gacaattgga aaagctcgcc 180
 aaagcccacg tatgcatcac attgtcaggt ctactcacta tctactaatg 230

<210> 14311
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 14311

aaacaccgcc actttccata tgcttgtcag tgtttacgtg gccaaataaa aggggtgtgtg 60
 aaacatcatg atccctacaa attgatctac ctacacataa ctaaaagacg actctgacat 120
 ttcggaatc tcaaagcttg aaatcttatg atttcattct gaggctttat accactttat 180
 tagtatctta tattggaaaa aagccaacgt acctttc 217

<210> 14312
 <211> 331
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14312

cacccgnngt gagacaacat acactgtgac tatgaaccta cacacaaaca ttcattttct 60
ttatgtaaaa aactctatat aaatgtctat ataactccgc aaaataactt gattatctta 120
agaaaaatga ctaaaggcta agattgtata ttcgtagtga agacaattaa cagcccgta 180
ttgtgcacac aaataacaaa tgtgtntgat tcatataaag gctaatacaa ttgtatattc 240
atatgtaaga agattaaaac ctagccattg tacaacaaaa cagcgactc atttgattta 300
tgtagagtca acaatggctc tgtaagacaa a 331

<210> 14313

<211> 254

<212> DNA

<213> Glycine max

<400> 14313

ctactgatca ccagaatgaa cttgggtttat tggtttctct gcttggcctc agatgctact 60
aatcaatgc tgattgtatc atcacacctc tagactgcat ttctagttaa ttctcatata 120
gcttcagcca taacttacag ccgcatacac acaattatct ttccatgtg acaacaacta 180
cactctgttt ttgaccaca gatgggagtc caattgaaaa ctaccagagt gcttttctat 240
ctcttatacc accc 254

<210> 14314

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14314

ggcacaaata ccatatttct atactctaaa cctctaattc aggttccgag tgtttgacaa 60
aagagtctct gacataatct taaaactaat gatataaaaa aattaatatt tcttgtggaa 120
ctaaatttgc tagaaaattc acatgaaact ttatcctaatt ttctctacca cattattata 180
atattaataa attttacctt ccaatacatg tccacaagaa aatcgtaggt atttctgca 240
aattatatat ccaataacat ccgcacgtat ttcttatgga tcttcttcan ataaaaatct 300

gcacgaatat cttgtggatt attnttcaca gataaattcg ccagaaatta tcac 354

<210> 14315
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14315

ttttcacttg tgtacttgat ggagttggag ttattttcga tgatctcatt ctttccttta 60
gtcccaattt tgaacaatct ctagtgccat gtgttanggt gtaatcaaca ttatataatg 120
tcttactata gatgaacata agagaaaagc atgagccaat agcaaacctg aaaggaactc 180
ttcttatcta ctggactatc atatgacttc atatgaagcg tgatggagtc aaaataaaga 240
attaaggctg attctgcaag aaccatgagt ccacatatcc caagtagtgc agcaacacaa 300
attgacctaa gtaaacattg attttccacc accgttcgat cctgtcaaca gaaataatga 360
ttatatatca acatcattac gcataacacc ttatgctatg tg 402

<210> 14316
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14316

aatcctcatc ctgcgaaatc ttgaatncgc aggcaactgctc tcaccctect ccaaaactat 60
tgatgactct aagaacgcgt acaagctgctc agcatcaatc ttaattgaat gtactcttac 120
cctcacttgc ttagggctct ggtcttacga gctgtataag aaagcataaa actccttcac 180
catagctaca tctatgcttg catcttggag attggcgaga cgtttgtgta agttacgcct 240
ttacaactct gccttanact cgtcacattc ggtatgatga atcttaacat tcctttacag 300
aatgatcctc cg 312

<210> 14317
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14317

nggctcaaca atacgaacgt cnacatccna aannnagccn gagcccaaat ccacctcaca 60
 taaacataga cccggggttag tattttttcc ttaccctcgg aagcaaaaaa caagagacgg 120
 aaaatttcct ttccaacaaa aagactgaga aggaaatttc cctatccaaa tgaaataaga 180
 tagagagaat gaaaattttc actcactgga aaaaagagag gaaaggatat tccaatcta 240
 atagtgggag atagcgaana caagagaaaag gaaattccca tccaacgaat ggtagaaatg 300
 aagacaatga acgagagata gctcctgggc aaggatcaca ctaaaacaga acatatgtgc 360
 agaaaggctt ttggaccgga caatatctga acaatacaga cttgtcacta aatgaacgaa 420
 aagaatgaaa ggaaaccatg acctacagtg gtcttcttcc ttttaattgcc aaccaaattct 480
 tgtgtgctac g 491

<210> 14318
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14318

agcttatttc atatttcctt acgaacgttc acttgcgcaa gacatcctat taactaatac 60
 aaatgcaccc atatacaatc aaggtagctt cattacctag attatttaca tgtacttcca 120
 aggtgtatat gttatttaca tcacacacgc ctcttggtt aaatttacct acatgcatac 180
 tcaaagcatt tcgggggtacc aaaaattgca catgcgctca tcttggtatt tctaatacct 240
 atacatatac aaacttcatg atgaatcttg actacctacg caataagggtg ctacatttca 300
 tgctgttttt tttcaagttt ttgctaccta aagccacatg caaattcaag catattttcc 360
 tttgctgact aaaantgtat tcaaagtaga aggtacatat cttttttgta atatgt 416

<210> 14319
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14319

cgccgctacg tgcttgagat ttcgaaanact tagtanaatn tcgngncccc ngagangagg 60
 cnaaagagca tatgttcccc ttgtttatca tctccccac aatcttaaga ggggtgggtg 120

ggtgaataca tacactccta actatcccta cacataaaca tctatctcac tttttattca 180
 acgttataac tccctcaata atgaactctt tccctattga ttttaataga acaattcgag 240
 tacgaatctt gtgccataat gaacacccga gaatcttgca agataacaga ccagctcaaa 300
 ttcttactcg aactgccgca cctctgacc tacctccagt tctccatcac accgcttggtg 360
 aatcccatca tcttgccctt cctctacaa agtctgcaca cgctgggata ctctcacct 420
 taggtgtgaa ttcttttctca cctatgaccc cgtctctta tcccatgcga actaagcaat 480
 at 482

<210> 14320
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14320

gtggccagtg cagatgacat accaaactgc aattttgcac atgaatcata gataagatta 60
 aaaaatcaaa aataaatgtc acatggcaaa atagccatga taacaataat aattgttcgt 120
 tcttctatag actaaaacac cagattcccc acatatgaga aaatctatga aacaccaata 180
 cttcaatttg ctttgccctat cgtattcga tttgtttacg atactaatac tcttaattgg 240
 atactntacg tatatataga tattgttgaa gtattactac taaaaaatg atatttagta 300
 atattttttt atcaacacta aataaaaatg ttactaaaag cctttgacga catttaattt 360
 ttttacaaaa tgatgaataa atgttattaa tata 394

<210> 14321
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14321

tcnggttgct cattgactcc agattgctgc anagaaggac atatatttgt atggtgatct 60
 gcagaagaac atagaccata gctcttgcaa caagtatata tttctgattc atggcaagct 120
 gagttactan gttgaccaag gcatcaagtt ttcttcaag ctttttattt tcagtagatg 180
 aagatgaatt catggccacc tcatggactc ctctaagaac aatggcatca tttcttgcac 240

tgaattgttg ggagttggaa gccatcttct caatcaaact cctagcccca gcatgggtca 300
 tatcaccaag agctccacca ctggcagcat caatcatact cctctccatg tngctaagtc 360
 cctcatagaa atattg 376

<210> 14322
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14322

agcttatgtt tcctattttg caatgttata tcccagattt gagtagcatc tctactatga 60
 taccagttat gaaaacaatg cacgaattct aaaatgcaac acttagcaga aggggtcaatt 120
 tgtaaagtgc atatagcaat tcaattctaa tccatatata acgtatttta tatatatattca 180
 tattccccaag gagtctactt ttcaaataata attttatttt catcaaactg tatgtgaatc 240
 aaacaaagta aaaaactatg tgaagtatgt caaagttgaa atttgtaaaa cagcatgtgt 300
 gcacaaactt tcaacaccaa ataatttaga aatgactcta agagcccata ctcatggagg 360
 ataacctncc anaccaaaat tgacattaaa gaanatagaa actctcaata ccttg 415

<210> 14323
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 14323

gcttttaggag aaaccatcaa aactaaagta gtgcctaaac ttatatattt gaggaagctt 60
 cgccgagtgt ccccatgtgaa aaacctttat tcaaaccttt caaagttagt gataaggcta 120
 aacgaaaaat tatggaactt agaaaaacta aatccttaat tgaaggcgta agtgacaatc 180
 atagcgaatt actaaacaag attagtagtt tgcttaaggt cattccatat actccccaag 240
 cttctgaaaa tacttccaaa atggtaacaa gaaagacctc caaattaatt aattgtatga 300
 atgaagatag tgaccaaaac ttatataaca caactgagat aggatcagtg tc 352

<210> 14324
 <211> 355
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14324

agcttttctca tacatacgaa gattttgtga gtntacaaac catgttgtca ttcttgacaa 60
gataaccaag aggcattgtcc atgtatactc cctcaatcaa atcactattg agaaacacat 120
tatttaaatac aagctgaaac atgttccaat ttctgtgagg tgcaatggaa agaaacactc 180
tcattgccgt atgcttggca acaagtgaga aagtgtccaa aaaatcgatc tctgcttgtt 240
gtttgatgtg tgtacccttt tgcaacaaga cgagccttgt atctatcaag ggagccatct 300
gctctatact tgaccttata aatccatctg caactgatgg gtcttttata ggggtg 355

<210> 14325

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14325

tcnggggtttg ctctgtcttc tctcgtgagt ataagttctg gtgattgtgg tttccgtctg 60
ataaagagaa gaacgtatac tatgctgtga gtacaaagca tatagatgca catgattggc 120
catatgtaat attgaaagat gaaaacacat caagaacagc caaaaagagg aacaagaatg 180
tgagatcaaa agatgaattc catacttggg tatcttaatt gcttcattga tggatcgatc 240
gtaatcatct gcaatgacag cgacgtcaaa agttagctca atgtgggatc agcttatact 300
gatactaaag aaataaagtt tactt 325

<210> 14326

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14326

ttcttgatg aagaaggaga tgaatgaacg gagagggaga gaagagcacg aaattntgtg 60
ctcaaaaaga gctctgagat ctgaagttaa tattcaaag atcaaagtg agaaaaatgc 120
acacacatga cctctattta tagcctaagt gtcacacaaa attggaggga aattcaaatt 180
tcacttgaat ttgtggagcc aaactttgga gccaaaattt aactaattat gattcgtgaa 240

tgtaggttat ggttcagccc actaatccaa gatcaattcc aagattctcc actaagtgtg 300
 cttaggtgtc atgaggcatg anaagcatga aggacatgca cagagtgtga ctatatgatg 360
 tggcaatggn gtatagtaag caaatgctca cctctccctc taaaattaat tgg 413

<210> 14327
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 14327

aacatacaca actcaagctt caatgaggtc cttcaatggt gattttcagc tatggattta 60
 tcgaggaaga taaagaagaa gaggagagag gaggcacat ccactagaga ataagccatg 120
 gaaggaggag ttccacgcca atagagtgtc ttggataata aacttataga ggaagcttca 180
 atggaggaag agaattgagag agataaaggg ggggctcgaa attgaatgag aaaaaaggg 240
 agagaagttg aactctgaag tgtgtctcac aagttccctg agaaacttcc ttgagaaact 300
 tccttgagaa gcttccttga gacacttgct taacaagctt ccttgagaag ctagagctta 360
 tatatacaca cccctcta atct 384

<210> 14328
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 14328

ttcttgtttc tcgtggctag tgtgtgggaa tgtgttgagg gttcgatgaa acctggtatt 60
 tataggagtg aagcgtagtt gcaggtcctt gtgacacct ctacctca catatatatt 120
 aataaaggaa taaaaattca aatattaatt aaaagtattg ttaaaacatt tttaaataca 180
 agctcttcaa atggataaaa ggctcacatt cactctcttc tacatcatat tcaaatttgt 240
 ccaaataaat aataaagtca tctcgactca aagaatatca tataagtctc atacaattaa 300
 tatagaacct atatccta atgtcacatctt atcagagcgt ggtgttcccg tgctctctag 360
 catgaggatc ttcatagtca tccacctatt catctgctcc cccgaacaca agttcaagat 420
 catcac 426

<210> 14329
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 14329

catagaaact aagcttacat cagatttagt atgatgcact aacctataat attattctta 60
 atgccaataa cctaaggaat taaaataact taatggctga gtgtaactga aattgtggca 120
 accaaaagtc accccaaca gccatcaagc cagccaccat ttggtctccc aaaaggctga 180
 tgcctaagtt gccaatggg cccttattaa aacttgaact aaaccaaact aaagcccttt 240
 taattgatta acccaaacca tatttttggg cagccaactt tacaaggatt gggccattat 300
 ttagacaaac taaacactct aaaa 324

<210> 14330
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14330

aaccttttca cacaaggatg ctattggtaa tcaaaattcc tagagctctt ttaataattt 60
 tacttctcta tcacatcatt cttctttcgt tacttatata tcatggctta aaaactatta 120
 ggagaaatth aagtgataat tcatatacaa gtntatgaat attgattctg ttactcatta 180
 attatcatgc aatntgngac caaacttggc tagttgggaa gctttgatac ggggaagatt 240
 acattgacaa attgttcgat ctttaantttt cattgtcata cagaatcagt actagttcat 300
 agttatacaa acaataactg agatgggaaa ttaatata tta 343

<210> 14331
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14331

ggcatttggg cangttgatc gtcgnactga nacanagcnn gccatgggtg ggtcgcggaa 60
 tctaacgaac caattaaccc ttaattctct gcctcacacc tctgaactgg cagtcggagt 120
 ctgaggcctt ccttttctct catccccctt ttctcgaacc ttttggcgga gccttgtgaa 180

tcacttccac cccattttct ctaaaccag ttgtggctgc tgggtgtactc cctccacttt 240
tcaagtgtgt cttncacata aacacttcca ccgttgcgtc tctttcgga tttctctcc 300
ctgcagccat tccaaaacca acaaatgaac aaaatatttg taacttcaact cttactttct 360
tcaacaaatc ggtagcttag ttccacagta caaagaaaac tcttatagaa gctaagaaac 420
aagctatgcg caccacaatt cataaataaa tgggttgaat gatagaa 467

<210> 14332
<211> 526
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14332

aaaanttatc cccgattgcc gnatctntct ggogaattct agcancgtag cagccgacg 60
catcctatac agaccagcct gcatgcaagc atgctcngtg naatcganct cactagacac 120
ggatggaacg aactagtga cgagncacac tttctttata ctgaagcctt ttttaatgac 180
agcgccctagt aaacaaacaa cttattaggt ctcattactt ccatgtgatg gcctaagaat 240
gaactgcctc ggactaataa caaacatggt gaaggagcca aacagacgac gatccgatcc 300
ttgcatgcct tttatacgac atagaacact cctatcgct gtactagtcg cacacctaca 360
accaattgct cgaagccaag gagagtaacg catcaatgtc ttctatacat acccatacat 420
gtatacactg ctgccgacgt ggcaatagca tatggctctg cgcacaagcg tgagataaaa 480
ctttctactg aagaatggct cgtgttaca caagcctatg aatgcg 526

<210> 14333
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14333

aatacttaag ttatctcata ataaacaaca gcggacggga aaaaagagag agattagtct 60
aaaaaacggc cccagggcgg gggaaggccc cccaccacaa cgagaaacc cgaaggggaa 120
acgccccac cggaacacaa ccgctaaagg aaaaccggcc acgaacacaa ggccacctac 180
ggggcgccaa gagcccaaaa acggcaacag agagaacaag ccggcgcgca aangggaggga 240

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acgcaaccgc gcaagcacca caccgggcaa gggaccacc caaaaccagc tgtaacgata 300
ccgaacagga cacaacagcc cccaagacag cgcgaccaga catcaacaaa agagcgcgat 360
aaaggtcag atccacacac ga 382
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acactggcac ttgatttctg ttgttgagtc ttcccatact gctggagatg tctccataac 420
atggtgggct ccaacgtagc gttgtcctga gatgtcn 457

<210> 14336
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14336

aggagtcgac agcctcatnn nccacgacta ttcagctcgg cacccgagct cctattagac 60
tgccctgcatg cagagccgct atgtttgtgt tntctcaaca gggggaggcc tcgagagaga 120
tgccgcttct cctttatatg gcaggagaat attccttctg tcttaaccaa tgcttcagcc 180
aaagaaccga aaagctcatt atgctttag gccacaagag aggttaaag atgacacgat 240
actagtttct tgacatagaa cgaaaaatga atcgctcgca tgctagggaa gcgccttaag 300
acccaagtta taagcttaga ccagctatct ttctgtctta actaactttt ctcctatatt 360
gctgtatata tgctaattct tggagccttt tcaggcccag cattaatagg aaagaatctt 420
agacatagta aataatgttg caccaatctg cactgtcctg attcataaac ttgaactgtg 480
gcttacacat acatatatac aactctctct atgcan 516

<210> 14337
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14337

nnntttaacc aattcangan gtacttgctg cgatacaata naanaccna gcatacatag 60
ctggaggatt tacttgatgg aatacaagta tgcttttcaa tgctctttat cactatgaat 120
ctgctagtgt gcttctgata ttggagagat gaagggatct ggatcttctc attcctaagc 180
ttaatagcaa gagaactaat aagatttagg ctaatagctt tttgtgattg aacaagacat 240
ttatttaatg aagacatgga gagaacaaaa gttgagaata aagcatccta gcaagaaact 300
tacagaagaa naaatttaga aactaataga ttgagtcatg tagcaaggca tgccaatctc 360
tctgcatata anatccatga gaataactat gttccaagtg ttggatggag aagttcctta 420

aaaaattcag cattcctttc ctccaaagac accaccaagc agcaaattcag accactgcc 480
cagattctta ttttctt 497

<210> 14338
<211> 360
<212> DNA
<213> Glycine max

<400> 14338

ccccaatcct ggcaaactgc aaccttttagg ctttgaattt tgacttgatc gaaccttttc 60
ttatgaaagg gtgattgatt cgatcccatg ttttttctag aatgaaaaat tctgtttgaa 120
tcaaactttg acaccctatc atggaggaaa tatgatcaat gcatgaagga atgcttatgc 180
tatgcatgac acaaatgcat tgtgcagaca caagagcccg aaagatcatc tcttcttacc 240
cactaacatt caggcatcat gattcatttg cagtcatcac cacagtgcc catgtatgca 300
tataataatg tgatgtggac cttccaactt cccgtgacat aatgatgaga catatgtaac 360

<210> 14339
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14339

aaaccatgaa acaaatcttct ctgtattagc tatatcaatg aaagtgggaa tgttaagttt 60
tgtgcctgaa cctctggccg tgcaaacatt gagagatatt gcggcactaa agtacttaag 120
taatcttcca aggtcactcg tctaggatga ctcagaanag tgagcctctt caaagactga 180
tgctactgtt ctgtcgtgca aaagctttct ttttctctct acattgtttc ttctaaaggt 240
gacttcaatt tctaaatcca atggaaccaa ttcacctgca aaagatctac gcatacaaac 300
actaacagga acaacagtta accaattcaa gaagaaaata aattttggac taaa 354

<210> 14340
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14340

cctgcatgca tgcaagcttt gttaatctat tacactgatt nggtaatcaa tgaccattga 60
 ctgtttctga ataaatcaaa agatgtaact cttcaaaagg ttcttgaatt nttcaaattg 120
 gttttaagtt cttctaaaag ttataactct tctaaatggg tgtcttgacc agacatgaag 180
 agtctataaa aacaaggctt tgttttgcac ttcaattatc ttgaacactt attcatacaa 240
 tcctttacaa gccttaaatac tctttgaact tcttcttctt ctttgtacca aaagctntct 300
 gaagttttct ggttttccaa agcttgaaaa cttgtgctat tcactttttc attctcttct 360
 ccctttgcc aaaaagaattc tccaaggact aaccgctga attctntttg tatctctctt 420
 ctccc 425

<210> 14341
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14341

tgacaaattc cttnggataa aggtagtgtt gccatgtttt caaagcccgt actaaggcat 60
 acaactcctt atcataagtt gaatagttaa aggtaagacc acttaacttt tcaactaaaat 120
 aagcaattgg atgaccttct tgcacaaaca cagccccaat cccaacattt gaagcatcac 180
 actcaattta aaaagatttt tgaaagtgtt gcaatgcaag tatgggggca ttagtttagct 240
 tttgtttaag aacattgaaa tcttcttctt gtttctctcc ccattagaaa ccaacatttt 300
 ttttagcatt cattgagagg tgcctgcaat gtgctaaaat ccttcacaaa tcgtctataa 360
 aatcttgcta aaccatgaaa actcctcacc tcggtcac 398

<210> 14342
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14342

agcttgtctt tctatgagct tactagtngg gtatgtgggt tttcactgac aagtcacata 60
 ttctttatac tngaagcttt tntaaataaa atgcatattt ggaaaaaat tattgattct 120
 cattccttaa atttgatggg ttaggtatct tctgtttgca gataaataac aaaatatttt 180

aaggagagaa acagtaaag attgttaca aatatngttt ttatttgccc taaaatactc 240
 ccttttggtt ttatatataa gaagcanaca actaattcat caaaaccaat gaaagtagtt 300
 aattaattta ttcaaanat acccatagaa ttaaatcggt ttagtagtga ttatagttaa 360
 tgacagtaca cataatcaag agataattnt ttctactgat gaatggcctt gtattttaat 420
 atgcctat 428

<210> 14343
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14343

gcatctttat tcttaacgca gactactggg ttacctctt aagagattat gaggtaaatt 60
 atgtggttta ggctctttca catgaagaat catgggttaga gtagtttagt tgacgaagat 120
 aatagttgga atgactttaa atggtgaaaa atctttaaca ctgcatcaag agttagtttg 180
 gtaggttaag catccaacac atctacaaaa tctgcaccaa acatcatttt ccacctccaa 240
 gtgtntgggt tgttggtct tgcattntgc tatgctttct tatcccttat tatgggtgaa 300
 gtttatattt ctgcacttat tactctaaaa atatttagtt ntagtcattc attcatttaa 360
 ttcttggtat atacaaac 378

<210> 14344
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14344

agncttggtt ttgactcatc ttctctttga agtggcgtct ccaatcattc ttcttcctta 60
 tccaatacac tgccattgat cttcaagaag aaaatgactc cattgatgaa gaagatccaa 120
 ggctacaag ctccacatgg agctacgtca tgtggtatta agagcatctt cgtctagggtg 180
 atgttctttt gcttctctta tcttttttcc cgggtcaattc actctaattc cttattcttc 240
 atcttattct ccatgtatat cctccatttt cttgtgggtt ggtactattt agagtagatt 300
 cacaaanant aaactgatta aatcttagat ctacacttgt tcttgcattt ctattgggtc 360

aaatttatag acctattctt gaatcatgnt tttgtgttga ttntaggttc tatcattntc 420
agtcataatc tttt 434

<210> 14345
<211> 423
<212> DNA
<213> Glycine max
<400> 14345

cgatactata aaaccagct taatagatgg tggcttatta tgccggaggc atcctattgt 60
ttcttaaagt tttgggtcgt cttctttgtg ggaaagataa ggaagtatgg gaaagtcagc 120
tacacaaact tgaaaacatg ccaaatacag atatttacca tgcaatgaga ttgagttttg 180
atgatctaga tcgcaaagaa cagaagattc ttttagatct tgcatgtttc ttcataagat 240
tgaatttgaa actggacagc ataaaagttt tattgaaaga caatgaaaga gatgattcag 300
tggttgctgg gttagaaagg ttgaaagata aagctcttgt aaccatttct gaagataatg 360
ctatatctat gcacgatatc atacaagaaa tggcttggga gattgtgcgc caagaatcaa 420
ttg 423

<210> 14346
<211> 388
<212> DNA
<213> Glycine max
<400> 14346

agctttgatg cattttatgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tgggtgttct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
ccacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300
tcttatgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatgggttga 360
tacatggacg gagatgaaaa agatcatg 388

<210> 14347
<211> 430

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14347

 ctagatgagt tatgtctgcg aatcgacatc cggttaaatt attgaccatt ggaatnnctc 60
 gagtccttcc gttgtttaat ttcaagcgtc tcgatanntt atgtccctca atcagacatc 120
 ggagcgaaat gttatgacca ttcaatttgc cgagaggctc cggttttcaa tttcgaacgt 180
 ctagatgaat tatgtcaccg aatcagacat ctgagggaaa tggtatgaac attcgaatgt 240
 gtcgagagcg ttcggttgtc aatttcgagc gtctagatga gttatgtcag cgaatcggac 300
 atccgtgtaa aaaagtatga ccattcaagc tttgtcgaga gcttccgttg tcaatttcga 360
 ccgtctcata tatatgtccc cgatcggact cgggtgcaag tatgacattg gactttgcag 420
 agctccgtgg 430

<210> 14348
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14348

 agctncattt tatcatcttt atccatctca tcaacgtttc caactgtagg ctctccaacc 60
 attatccatt catgatcaac aaacctcatt ccaagcttct taagatgtct ttcgataatc 120
 tcactagagg ctttggtaaa gtacacaatc tcattagaga tatcaacctt gaaatagtca 180
 atgaatcttg aggggaagtac aacataagga aattcataat ccaccaggcg acgacacttt 240
 agcacaatgt cttcaatcag tagtacccaa ttcattctga tacctaattt caaaccataa 300
 gctatctata gatcatcatt cattaccoga gcatgattac ttcacctaag ttagagaatg 360
 taggcgatga ggtatactaa tattgtgtcc tctgaaatca gtccaccaac tcctaaacga 420
 atcctcaaa 429

<210> 14349
 <211> 375
 <212> DNA
 <213> Glycine max

 <400> 14349

gatgaatcaa gattgtaggg agagtgtgat tatatTTTTa tgatgacaaa aagctaaaaa 60
 gtggagaaca attcatgata acaaaagtca agaatcaaag aatgagttca agattgaatc 120
 aagaacactt caaggttcaa aaggaaattt gatttcaaga atcaagaatc aagaatcaag 180
 tttcaagatt caagttccaa gaattaagat caagatgcaa gactaaagat tcaagaatca 240
 agagaagact caatcaagat aagtattaaa aagtttttca taaattgagt agcacatgaa 300
 tttttctcaa aagcctctta ccgaagagtg tttactctct ggtaatcgat taccacattg 360
 tcgtgatcta ttact 375

<210> 14350
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14350

agtttttatt ccccttctaa atgatagact catagtacag aagtagaagc aacattcatt 60
 ttaataatgt gcttttaaaca tgcaagacag atttgattac aacataataa atgagataat 120
 ggaacagaga atgcgtacac aactgtatac tgggttcagca atggtggaca cacataaatg 180
 tgagaggtat ctagagatat catccattta gatattatac atcgtggcgg tagggactat 240
 cagcgacatc gtatcattaa agagaaacac tctagatgag gcttcactag tatcaagcga 300
 gtcgaagacc tagcatgacc acagatcaac cttcactttc tatgtctgca cggacccgga 360
 tatanggccc aataactcac tatgtg 386

<210> 14351
 <211> 314
 <212> DNA
 <213> Glycine max
 <400> 14351

gtgcttctac acaagagcca ttaaagcact gtttttgtat ttttaaagca tagttttaga 60
 gggagagtaa aaaatatatc acaaggagaa gctaaagcga caacaagttt ttggtaagag 120
 agcttacgtt agaggaatga agtttagggt ttagaggtta gaaaaaacat cctcgaccag 180
 cctttgtcat tttatttcac tcaaaacca tcctttcttg tattgagcat attgcttggg 240

atggaaggct aagcctatat gatgagaacg tctgctgaaa ccttgatgta acactctgtc 300
actatctata taat 314

<210> 14352
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14352

agcttcattt gaatcaaagg tgattcanag gtgttttgat gataacaatg atgataacaa 60
aagatgatga caaagggtgat gacaaanagc tcaaagatca atcaaagaac aactcaagtg 120
aatcaagaac aattcaagag ttcaagataa gaatcaagaa gaattcaaga ctcaagaaga 180
aagtttagag tcaagaatca agattcaagg ttcaagatct caagaatcaa gatcaagatt 240
caagactcaa gattcaagaa tcaagagaag gcttaatcaa gataagtatg actagtcttt 300
ctcacaaatt gagtagcaca tcatttttct cacaacatgt ttaccacaga gttgttactc 360
tctggtaatc gattaccaga ttggtgaatc gatta 395

<210> 14353
<211> 333
<212> DNA
<213> Glycine max

<400> 14353

tgctgcctca tgaggaatgc cttgcgctta gatagcatga ttaaaccctt cgataaatatg 60
tatgtatgta aatatgtagc atgaaatgcc ttgcaaaatg tagaatagaa tgccttgcaa 120
aatgtgaata tatatagcat gaaaatgcct tgcataatat gaatatatat agcatgaagt 180
gccttacaaa gtgtttggat gggtagcgta aaagtgtttt tcaaaatatg tgtatttgtg 240
agtaggtagc aaaaaaatcc ttccaaaaaa aaatgtgtgt atatatagaa gatgtagcat 300
gaaaaggggt ggcaaaacag tatgtacatg gat 333

<210> 14354
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14354

cagcctaata ttctttatta aaagtcataa ttggtgccat tacctatcat catttctatc 60
 ttacctattt tgaattatgg ccttggtttg tgtgtctaga ttgacaccag actcctaaat 120
 gcacaatata ttctattgca agcttaacaa cagtcccaaa acccaattnt attcgaaacc 180
 aagtgtcatg atttctatat taccaattnt ggtagttggt aatggtgaat catagttttg 240
 ctttctcatc tgccctttgt ctcatctctt taccttaciaa ctcatgcaat tctatcatta 300
 ccctttttca atatgcagaa ttagcaacat gaaaacatat ctaatccagc aaatgccacc 360
 atcaatagcc aggctatggt ccagaaccaa cgaaatgcct catgtcccat ttctttcatc 420
 ttctaaa 427

<210> 14355

<211> 100

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14355

caaagatattt tttttctttg aagccttctg anaatataag atcaaacacc cagttaattc 60
 agggatattt tcaacaaacc gaaaaaaaaat aaacctaataa 100

<210> 14356

<211> 406

<212> DNA

<213> Glycine max

<400> 14356

tttgccaat tgtgctttga cccaaatttt cctttgatga atgatgctct cctacaacct 60
 aagacaaggt agaaggagat aaattctaca ggctcaaggt tcaatcaaac aatcataactt 120
 tcagctcaaa atatgtgcaa gggataaatc aatcatgcac aaggtaagct ttttagctaa 180
 gtggctatct tcaatcaaaa catggccttc atcatcttca atttcacgca ttcatcccat 240
 actcagagat tcatgcaaaa atcattactc aatgttagtc gttctctcac aattaaagat 300
 cacactctca cctggctgtg gctaagagt accttcacaa tcaaactgtc aaactgacta 360
 acattatcag tcatgatcct aatccatggt ctttctcttc taatca 406

<210> 14357
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14357

acatgagttt gtggctactt cattcactcc tctaatagact atagcatcat ttctggcgct 60
 aaactgttgg gagttggaag tcatcttctc aattaaatnt ctggcttcag caggggtcat 120
 gtctccaacg gctccaccac tggcaacatc tatcatactt ctctccatgt tactgagtcc 180
 ttcataaaaa tattggagaa gaagctgctc ataaatctgg tggtgagagc aactggcaca 240
 tagttattta aatctctccc agtattcata tacactctct ccactgagtt tcctaattcc 300
 tgagatatcc tttctgatgg cagtggcctt ggaagctgga aaattttttt ctaagaatac 360
 tctcttgagg tcatcccanc tcgtgatgga ccttggagcg aggtaatata gccagtcctt 420
 tgtcact 427

<210> 14358
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 14358

agctgtatatt gttctgttct gggaaacgaa ggtcaagtgt gtgcgatatg tgaagatgat 60
 gttccaagta cttcggattt ggtccgacca tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggattta 180
 aaagctctat agtagggcct aagctttaga gtttgcatta tgataaggct ttgtgtatct 240
 tgtttttgaa ttcataatac aaggatctta ctacgtctgt tcctggactc taccatttgt 300
 cattcattag cat 313

<210> 14359
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14359

tcaccttcag aggactacac gtnctcgctt tcagaggact acacgtgctc gccttcaaag 60

ggatcatgtac cttcaccttt ataaggctac acgccgtcac cttcaaaaga ctacacgtcc 120
 tcaccttttag aggactacac gtcctcgcca tcagaagact acatgtcccc cattttcaaa 180
 agaggacatg ccttcacctt tagaggattg catgtcctcg tcatcatang actacactcc 240
 ctgcgcttca aaaggcgaca cgtcctgaac ttcaaaaggc tacacgcctt cgcctttaga 300
 gggctacgcg tntcacttt cagtgggctc catatccaca ccttaagata att 353

<210> 14360
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14360

gactgcttta aatagctaca taatggggga ttcttttgac caagaacatc atgacaattg 60
 ggattcataa tttggcctgg ttgttgaatg ttgggcatgc cataggtcct tggaccaaatt 120
 tttgatgact atctntaatg gtctggtaaa agaggctaaa ttttttgcaa catgcaatct 180
 acgttagtgc atttggttga aggtaacaca tatttaaggt tttttgggct cagcagctga 240
 tttggaataa gaataggtgt ttcacttctg tttgggtgcac aagcaataaa tcaagggtat 300
 ccctaacaga gagactgaga gatgatgtaa ctttactcca tttatgttta ctctttctcc 360
 atcttgacta tgttttctct taca 384

<210> 14361
 <211> 213
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14361

aacttccttg agaaagctct ttgagaaaac ttcttgaga gctagagctt agctacacac 60
 accctcttat aactaagctc acctccttga gaagcttgct taagaagatt caagctagag 120
 cttanctaca cacnccctat aatagctaag ctcaccccca tgacagaaaa catgataata 180
 ataaaaaaaa agttcttatt acaaagacaa ctc 213

<210> 14362
 <211> 262

<212> DNA
<213> Glycine max

<400> 14362

cgtcgccacc tttaaacc ca aggaacctat tcaatgccac gatggtgtag tgaaccgcgc 60
aagaccctgc agccaactct cttctcaacg atcccatgtg cgtaacaata tacctaataca 120
gcttaattga caccgcgtac aggtagagaa aagatttagc ttaccgcggc ttcttcgctc 180
ccagcgatgg cgtgcgacac caccacgcca tgatacgacc taggaccggt gctgaggccg 240
gcggccatca tgtcgacat aa 262

<210> 14363
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14363

aggcccccg aattttngag cntnatacat aaaactcagc ttcactcatt tatttgtcca 60
gtagaggaca gaattcatta ctatacaacc agagctatgg acgctttggt gtaactacag 120
accctccaaa aaatcgact cgagatgctg agtgatgtgg ctaacaactg gaacttcaat 180
acacgatagg gttggacatc gaactataca cacatcattc cctgttcac catttctaaa 240
ttataaccag aacggttaaa tctatcacat ttcacaaaac taccaaagta tacaccatga 300
caatattcat cacaccaaac aacagtgaag tcatactcca acaagcaaca caccttgtct 360
acaaactcat tgtaatcatg acgagcacct gattcaacta gcttgcaata ggcaaagatg 420
tgcatcatt accgtgggct tattattgaa ctgggctctg cacaagacac acaaag 476

<210> 14364
<211> 426
<212> DNA
<213> Glycine max

<400> 14364

agcttgatt attatggggt atccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaat ttttccacat ccacaaatcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc acaacaccgg 180

gtccgcatca atcctcccaa gcttcccaa catccaggta atacaacatt caaacagcac 240
 aaactatcac agccaagaaa acagggcaaa ggcagaaaac tctgccc aaa acaccaacca 300
 aaatcacaac caaaatcaca gcttttctca cttaaagacc ccagtaataa ttccttcggt 360
 ccaattcggt aaccggtgga tcgaactcca aaatttactg gaagtctcta gtacataagc 420
 ctacat 426

<210> 14365
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 14365

gagtc ccgta atacatcaag acgctgcgaa attgaataca aaagctctag caaattaaat 60
 cgacgataac tttctactcg gatgtccgat tgggtcacgt aatataatcg gtcgctcgaa 120
 actcaatact gaagctcaca gcaattatca acgacaatga atggtatact cgatatacaca 180
 ttgagctcac gtatatatcg agacattcga aattgagtat aaaagctgtg agaaaattct 240
 aacgactata actttttact cagatg 266

<210> 14366
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14366

gagggtggcta aggggtcaacc tagtctcaat gttttccaat cgggtagtat gtaaattgggc 60
 tagtggattt atcagcgatc gacgcttttc ttgcttatca ccacaacaag taaagcccag 120
 tcattgttgt tttggctgat gcctatgcca cattcgacct gagatgcgaa aagagtagtg 180
 cangaaattg tctgtgtaca cctgctcttt atgtatgggt ggtctccac attttttgtc 240
 atgaaggtag gcctatatgt ccnctacaag gtcatacat gtgt 284

<210> 14367
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14367

tccctcgaggc cattncctgc gaaggcaaac attnggaaag tttttttacc agtgggacac 60
tactcttaaa acgaaaatgg catacaacct cttcccataa acatcaatgt aaatttagag 120
caagctbatg cgcataatttc cctacgaacg ttcacttgca caagacatcc tattaactaa 180
gaaaaatgca cccatataca atcaaggtag cttcattacc tagattattt acatgtactt 240
ccaaggtgta tttgttattt acatcacaca cgctccttg gctaaattta catacatgca 300
tactcaaagc atttcggggg accaaaaatt gcacatgcgc tcatcttggt atttctaata 360
cctatacata taaaaacttc atgatgaatc ttgactacct acgcaataag gtgctacatt 420
tcatgctctt tttttttttt 440

<210> 14368

<211> 332

<212> DNA

<213> Glycine max

<400> 14368

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ggcgaatatt caccatggag atgcagcgga agacaaagga gaataagtga gaggatgcgc 120
catccactac ggaataagcc atggaagaag gagcttcacc accaagatga gccttgata 180
acaagcttgg agaggatgct tcaatggagg aacagagaga gagaaggggg caacacgata 240
ttgaaggaat aaaagacgga gagaagtgga actttgaagt gtgtctcata agactttcat 300
tcatcagagt tacaacaagt gttacacatg ct 332

<210> 14369

<211> 255

<212> DNA

<213> Glycine max

<400> 14369

gcggatgtta atgtatcttt cttatgtctc cgtaaaagac atatgaatca agagatttgt 60
attagctcgt ctcatgtaat gcattgctta actttcaagt tatagttcct gcgtaggata 120
ctctcatgat attcatatgc taagttgtat aatttagcga tctaacaaga caaatgtaat 180
ctccattgca gtgtgataga ccaatcacat gcattgatgcc caacacggaa cgctcctaa 240

gaatgtcaca cctct

255

<210> 14370
<211> 411
<212> DNA
<213> Glycine max

<400> 14370

atatatatat atatatatat atatatatat atatatatat atatatatat 60
atatataggg tgatcggtga gagacaaaat cgccctcatg cctatcccg aagtgtccga 120
ctccacaaaa aatggcaagg agaagtctgg taaaccaagg atgggtgctt aacacacagc 180
atccttcaat ttgatgaacg cctgctcatc ctacagagttc catgagaacg agccctttga 240
caaaagcacc gtgagaagtg ctgctctact cgacgatccc tttatgaatc tttgataaaa 300
ccccaataca cctaacaagc ctacagacagc tctcgcagat cgtgggtgtgg gccataagtg 360
tatggcttaa attatcgctg caccagctcc actccgcgcg gggacatata g 411

<210> 14371
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14371

aatatgatgt agaagaaaat gaatgtgagc ctttttcccc tttgatagac ttgtaaaaaa 60
acatatgttt tacaaatact tttaattaat atttgaattn tatttttctt tattagtata 120
tatgtgaggg gtagagggtg tcacaatgag tgtgatgatg caatgttata gtatagaaat 180
atgcccactt gattatagta ttggtagtag aatattactt cacttggtct caagagcata 240
ttttatctgt aaggacaatg ggagaaataa tcagaacatg aatgtaacat ataacttaac 300
tcgtgctcat caagtactta taagaaatga ttgttgattt t 341

<210> 14372
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14372

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caacaagaat	caagccaagg	ctattatgca	agcaatcaat	ggggcaaaac	ataccaaatg	120
attataatga	tggatggctc	aaattcttac	aaaggtaaaa	tcatcacttt	caaattgagc	180
tttcaaaaact	atcatgacat	gtagagaaga	atcaaggatt	tcaagtcaca	aaatgtcaag	240
aactttttatt	ttcaaaaaca	ttacccattt	cttgaacata	tectataatt	caaagaanaa	300
catgcaaaaat	cgtacgtgca	cacaaaattg	accagaata	ttaaactaat	aatccgacga	360
aactaacaac	attaacaaat	taacacaacc	aacaaaacta	tgcaaaccaa	agaacactcc	420
ccccccccc						429

<210>	14373
<211>	385
<212>	DNA
<213>	Glycine max

aaccaatatt	ctctagacca	ttgtagacac	tacctacgga	ttcttttcaa	aatccctctt	60
ccaaaattga	ccatcagtag	tacctatagc	tggacttcca	aaattacttg	ttgtattccc	120
aaagaactct	agaaccagga	gtcactagac	tactctcatg	ttctatttag	tagctcctac	180
taccaaacac	acataacaac	ctattatggt	ccccaaaaac	ttcagaagta	acaatcacct	240
atctactttt	ttgagatctt	tcctttctaag	cctagggggg	ggacaaacac	ttgttcggat	300
atggcattaa	tggtccacc	tagagtgctt	ttggctaaga	agtcattcca	attaggtggt	360
ttttctactg	acctttaccc	tatac				385

```
<223>      unsure at all n locations
<400>      14374
```

aagctcctgg tcaaagaaac cagagaggtc tttggaccag ataatatctg aacagtacag 300
aattgtcacc aatgaacaa aaaggaatga aaggaaacca cgacctagaa tggctcttctc 360
cctttaatta c 371

<210> 14375
<211> 438
<212> DNA
<213> Glycine max

<400> 14375

tcttatccaa ggctcatctt ggtggtgaag cttcttcttc tatggcttat tccctagtgg 60
atggcgctc ctctcacctc ttctccttg tcttcgctg catttccatg gtggaaaatc 120
atcattaaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180
gcttccatca ctgctgttgt tggctgtgac ggctggacca tctgagggtta gggcgattct 240
tgtatccagg gttgtatctg ttgctggaga ggtcataatt gttctgctgt ggttgattct 300
gcttctgagg ttgaggagga ctattgcaa tatttgcagc ataagcttca agctgtctaa 360
tcaactcaaag ttgctgcatg gagggcaaat gtctgtatgg tggtcagcac aggagcacia 420
accacatacc cttgtaca 438

<210> 14376
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14376

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gcacaacaag ttttccacat ccacaatgcy cgcataaacc caccatcccc tgttgccac 120
ctccatctga gctcacgtac tcccacgtag cccatatact catttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccacaaca tccaagagaa acaacattca aacagcacia 240
gctatcacag ccaagcaaaa caggggcaaag gcagaaaact ctgctcaaca caccaaccaa 300
aatcacagct nttctcactt atagaccca gtaacaattc cttcgatcca attcgtaa 360
cgttggatcg actcanacat tntactggaa gtctatagta cataagccta canttttgac 420

cgtgggatct a

431

<210> 14377
<211> 336
<212> DNA
<213> Glycine max

<400> 14377

tctacttatg tggcagggcg ggcttccttc accttcttgt cttcaacgcg aattttgacc 60
attgttcttc cttcccgca tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttggtttt 180
tcctaaacct atcccgggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
tgcatcggac agacaaggct tgccaaagag ggagtccacg gaggaaatgc tgaccacctc 300
aaaagactgg aaagcagttt ctaacgattc ttctgc 336

<210> 14378
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14378

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cagacgcagt cttccctcaa atcgtctctc ctctctcga ttcaatcgga aaacatcaaa 120
tccatctcca agaagctctg cgacaccatc tctgaactcg cctctggtat ttaccgcgac 180
aacgcctggg cggagcttct tcttttcattg ttccagtgtg tttctccga tttccctaag 240
cttcaagaat ccgcgttttt aatcttcgcg cagttgtcgc agtacatcgg cgattccctc 300
actcctcaca tcaagcacct ncacgatatc tttttacagt gcctcacgaa cgctaccggt 360
aaccctgacg tncgaattgc gg 382

<210> 14379
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14379

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tctagccttt gcctgacact ccttgacctc acgcaggtac acccaaattg ctctctctac 120
aaaaggatta gtctctggcg atccgtcatg ctctcataa gcagcgcgaa gccggcctat 180
gagggcatcg aggctacccc atgcttgctt gagagggcag gcacacggtg cagcaggggt 240
gggctggcca aagaagatgc aaccgtgcaa gtggagcttg gtttcccata ttgatcgagg 300
accgaacgaa atccaacaca tggttgaagt tgcactgaga gagtggaact ggcggactct 360
gat 363

<210> 14380
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14380

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tctcaaaaat acccacgggc agatcttggg aaaatgtggt gcgcaattgt agaccacaat 120
tagagaagat accaccggtt atgaaagctt ggccatgggt ttacccatgg aggctcctgt 180
ttctttcttt aaaagcctca tttagaaggc ttctctagaa acctcctcta gaagcttcct 240
cgggggttctt tgagaaaactc tctcaagagg ttctttgaga agctacatcc ttatctatcc 300
cccctctatt aactanattt acattcttaa aaataattac ggatgaaaat aacgcagcaa 360
ataatccgac atcagacata attacttata atctatagat atatatatca cggctgtaca 420
ttgagcatcn 430

<210> 14381
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14381

naaaacgttc gngatgctan atagtacaca ctccgnccat aaaaggcctc aatattaccc 60
cgctattttc taacttccag gcaaaaagta atggaggccg gaatttctta taacctccgg 120
tttccattcg gagccgtttc gtatattacc aggactaaac cggacatcca gtataagtgt 180

atgccttttc attatctcaa gcttcgatat gaaattgacc tctcgtatat aatggactca 240
ctacacatcc gaggcgaagt attttcgtct gaattgatac gacatccgat acattccgag 300
catactccaa aatacaacac tctgcacgca tcaaatacaa gaatggtgtt aaatttctac 360
agttactttt gcggttgaag ttgaattaaa cggactcacc gtcgtactga taagtacagt 420
gtcagatcct 430

<210> 14382
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14382

agctctggtt tttcttcatg aagaaaccaa gaatttctca cgagtggact gggctccaaa 60
tctaataattc actttggccc tttaaaagat atcctcctcc gttaagggtta ttattaatga 120
ccagaattgg actggtgaaga attgtgaagg ataccattgt ggtggtaaata cattgaggtt 180
ataacatggg tagctataga actaacgaag attgagtttc caatgaagga agtaaaatgg 240
agctcacaat aggctcatcc atgttagagc actntatgga ctntgatctg gaggaagata 300
ggaataaaga ggggttatgg aagcaggagg cagatcggan agcacgacaa ggtgttcaat 360
cagagaagaa acatttctat tcccactgng taataaccag aagccccagt ctagcaaaag 420
tacactacat a 431

<210> 14383
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14383

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aaggctgatg ggaagcnatt antttgtttt nacgcgaagc acgacccaaa gccgtttatt 120
acaaaatcct gtcatgtcta gtacacgcaa acgggcttac aacacgtttc catagcatgg 180
cgcgacttca cttgcgtgat acattatgct aatgagaccc tccgacgtcc tccctatgca 240
catgccaagg atccaagccg tcccacaacat tacaatcccc gtgcttctta catcctatgg 300

caagagacgg ggcgccacaa aggaggttca gtggggaagc gcgcccttaa acaacagaga 360
 atatattcta ccatgcttct gcggttcacc aaggcgtgaa ggcgagcact ctccaacata 420
 tttcttcctt gacacaagac aaatgtcgcg cattaaacat cttttgggac cg 472

<210> 14384
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14384

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 ccgttttggg ccccaactcaa gtcaagcctc tccaccaagc tcctcaacat aaccgtctcc 120
 tctctctgca aagcgaagca natccccaat gccgaaacgg caatcgtcga cggcatacga 180
 ctgggcgtgc tccccgacgt ggtcacctac aacaccctaa tcgatgcgta ctgtcgtttc 240
 gccacccttg atgtcgctta ctccgttctc gcgcgaatgc acgacgcggg cattccccct 300
 gacgttggtt cattcaatac cctaattctc ggcgtgtgta gaaagtctct gttctcgaag 360
 tcctctgacc tgttcgacga aatgctcaaa cgaggcatca accccgacgc atggagccac 420
 aacattctaa tgaa 434

<210> 14385
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 14385

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 agaatatctt taccgagttt actctttgta tagaatacat aggtagtatc gttactaaag 180
 tcaaacatit ataattgatta caaggagaat cgttccaggg ctgtatcgat acattgcttg 240
 tacgtcaaac tatttcaaatt agtgtattga taccagtggg ctgaatgtgg attcaacctc 300
 acatgagagt ctaaccttat aaaataact 329

<210> 14386
 <211> 334

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14386

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attataatct tctaccttct aagttgtaat taaattatat attatntata tgatacacia 120
aacagcacca agagcttcat cttaaagtttt tttttttcct tttaaaataa agagttgaaa 180
tcttgatcaa cttcatcttt gtcgtttggt ttcacttagt agcgatcctt tcgaagcccc 240
ttccttccat cagaaaaacac aaatcccgat aaaaaaaatt gcatgttcta aagtgtgaac 300
gtcaacactc agaagtacac aaatttcttc accc 334

<210> 14387
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14387

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ttttgaatta tatatgtggn agagcgccct ctcaaataat gatctatata tatattctca 120
cattctcttt tatctcgccg tctaaatata ttcttctcaa ataataaata acaatttttt 180
catattttta ttttttatcc ttaaaatatg gcgatacttt tcaccaccag aaaaatacct 240
attcattcca atgagtcttt taccaggtaa acgatcttta tatttaccoc aggcttatgg 300
ataccaggga taagttaccc actttttccg cncttgagaa agggagaaga ggaatgcttg 360
gatctgaacc catttgagaa aggtggagag gtgagacgga gagaaaaatg atctgaaaac 420
acaaaagtga taactgattt catgttnaaa agagaga 457

<210> 14388
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14388

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ttctatatat aattacggct gcgcattata tcgatattca atcatatttc cgctgaaccg 120
 atatttcggt caatcaatcc ttggacacat ggtgaatttt gagcacttca acagcagctc 180
 gaaagtgaat catctggcga ctttcaacac tccggtactg atggcacacc aatcactaga 240
 acgaagttaa ctacggacgc tgcacagagg gacaagatca gtgatcccta cgatc 295

<210> 14389
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14389

aatcatgaag gaggaaatac atgatttaac agtaatattt gaaggagtgt aagttatgag 60
 ggggaaaagg gaaaaataag aaaagaaaag cagcaciaag taatagtata aaaacaaagc 120
 aagtagcaat cgagaactca acaaatacaca ttatatttca ataccaatcc tagatgttgg 180
 ggttttacat aagactccta tagtacattt atccaggatt tcaattatga aagtgggaagc 240
 accagtgaga acagtacatt tcaaaggagc gtaagttatg agctaaagga anaaaattaa 300
 cacggttaata gtatatacac acaaagaaag ttgctatgaa gaactcagca aatcatatta 360
 gttctcaata ccaatgccccg tgtgaatatt a 391

<210> 14390
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14390

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 cacaacaagt tttccacatc cacaagcgc gcataaaccc accatcccct gttgcccacc 120
 tccatatgag ctacagctact cccacgtagc ccatatactc gtttctctca acaccgggtc 180
 cccatcaatc ctcccaagct tccacaacat ccaagcaaaa cgacattcaa accgcacaag 240
 ctatcacagc caagcaaaac agagcatagg cagataactc tgccaaaaca ccaaccaa 300
 cacagctttt ctacttata gaccccagtc acaatatctt cgatcctgtt cattaaccgc 360
 tggatcgact cgaanattgt ataggaagtc ttagtacat acgcctacat tgtgaccgtt 420

gggatcta

428

<210> 14391
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14391

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aagatactat gtcaatggga ccacaacaaa agtaaagaaa attatagaag atgtagcagc 120
tagtgaacga ggccgtgatt gcaaccgcac ctctccaaag gacattccca aataagatac 180
cgaagatgaa tcccttaaac aacaaacaca aatgaaagct atgatggaga gcataaccaa 240
cagcatagtn aaacaacttc aaccaatgat acccccacaaa caatcagttc tcccatgtga 300
agagtgtgga ggtaaccacc atacctctta ctgtatgaag gaagtagtca aggagaccac 360
attcatgaga gaacagacta caaaatta 388

<210> 14392
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14392

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ttatgcactt ctctctttct caaaatagct gaggaatt aattccgtga aaaaaatcca 120
agccaaagcg cttccgtaac gtttccgtga gtgatttcgc gaaggttttc gaccgttctt 180
tgaccttctt cattcggttct tcatcggttct tcagttctca gtgggtaagt acctcaaacc 240
aagcttttta attcattcta tgtaccctgt gtgggtccaca tttggtttca tgtattttta 300
ttctcggtgt catttacttt ttataacccc ttttgacgtg cttaagccat ttatttaagt 360
catttctcgc ttaatctaaa aataaaaataa atctccaccg atcgtttgaa ttgtatcatt 420
c 421

<210> 14393
<211> 408
<212> DNA

<213> Glycine max

<400> 14393

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agcttcttat tagaaacttt tgtgagggtt atagatacaa tacaatttac aaacgtttgt 120
atagaataag ttacttaaag tactgacacg taccctaagtg tgatatcaat actccaccaa 180
tatgaatatg agaagtatcc aagcctttta aaaaaataga atgcttgtgc tccttacata 240
agaggcaaag tgaacaggat gaagcatctt gtatagaact tttggagtgt gtctctaaat 300
caaagagaca tttagatcgt gatcttgata atcctaaacc atgcaagtct agaaagtcaa 360
tagttctagt tcattatctt cttgccagta cagcaagatc tcattttg 408

<210> 14394

<211> 393

<212> DNA

<213> Glycine max

<400> 14394

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gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180
gacctgtgaa atgaattact cgttgctcga aagaacgtgt tgagctttag tatgggcatc 240
ccatcgcta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300
ggctaagtac atctttgaga atccatctct caggggacga atcgcccggc ggcaagtcct 360
gctatccgaa tttgatatag tcgacgtcac aca 393

<210> 14395

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14395

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ttgattacac agagcatttt atgaaaagat gtggctcttc acaattgaat ttgaatttca 120
acattcaaat aacttggtta tcaattacca atatattata atcgattaca ccatttaaaa 180

aaacaattgg aacggtgcaa atttagctaa aagcttttga aatcaaactg tgccactggt 240
aatcgattac cacagagtaa aaactctggt aacttagaaa aatttgagaa aaaactcttt 300
tgaaaaacaa aattgtgcta tgtttgaact ttgaaaaatc ttttcaatac ttcccttggtg 360
aagacttctt gatntcttct gatgaatctt gaattcatct tctc 404

<210> 14396
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14396

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ctatgacata agcttcaacc aattaacatt gtttgtatga caactgttgt agttggacag 120
caatcacaca gtttgtccac catggaatgc tntatgttcc tattggttat agttttggta 180
tgctttatgt tcttattggt tatagctttg gtgctggaat gttcaatttg gagtccacat 240
aaggaggaac tctatatggt gctggagttt ttgctggaga tggtaacaaga caagcaagtg 300
aaatggagct ggagctcgca gagtatcatg gcaagtatat atgaaattag cccatanaag 360
ctaggctgga ttctgtgatt aatnatceat taagccctcc tagctagggt agcattctag 420
tc 422

<210> 14397
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14397

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caattatctc acttttcctt gaatcgtagc taagtttgcc cttgtttaag ttagggaata 120
tatataatta gttagatatt ttcatatagt taaaatttag gaaatttatt agcttttaca 180
tgtttttaca gtgatttagt catttttagt cacctggaaa gaaattaagg gtttggaagt 240
gaaaattgat cactcaatga gttgccaagt agcttaacta ggaagccata ttataagaag 300
acacgtggta gctggtggct atgcgagaag tctatctctc ttagcagatt tctcttgaag 360

aggccatgtc aacaacatca aggcttggtg agtgaagcaa cctctttgga 410

<210> 14398
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14398

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actcattcca tgggaaagga atgaaaatca cacactttgc ctcaactctg ctaaagcaat 120
tggatgtaca gtggtcaaca ttggcactca tgacttcatt gaaagaaggg tatgtatgta 180
agccttctag tttccacca taaaagcaga attattgtgg gcatgtacac tgcagaacca 240
caaaatttaa gatttaattt aatttataaa tgaaatctgg tcagatttga ttatttctcg 300
atcaaagtaa ttctaatca agttaccct gttntaaat gattccgaat gctggtaaag 360
tatctctata gcatgctaca tatttataca gtcaaagcct ttctctattc 410

<210> 14399
<211> 273
<212> DNA
<213> Glycine max

<400> 14399

gtgtggtgcg gaggaccgaa tctcgggtat aatattggtt gttgcgtggg gtcagagaag 60
tgacacgaat ccgttatcag cgctgggtca ggactccgtg aagcactccg cgaagaataa 120
ggtggttccg ttccataaga aattgcccaa atggtggcca actgtaatca attccaacgc 180
ttctattttt tacgccgatg aacatgagga atacaagagg gaggccttatg gagtgggttcg 240
aggtttggtt tttctttcct cagatacatt tag 273

<210> 14400
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14400

agcttatatg aagaaattaa ccggttggtga gacaacatac actntgagta tgaacctacg 60

cataaacatt ctttttcttt atgtaaaaaa ctctntataa atgtctaaat aactcctcaa 120
aataactgga ttatcttatg agaaataact aagggtctag attgtatatt cgtttgtaag 180
acaattaana gagctagtca ttatgcatac aaacaacaaa ttgtttgat ttatataagg 240
gctaataaga ttgtatattt ttttgtaaga cgattaaaag ctagtcattg tacaaacaga 300
caacanattc gtttgattta tatagacccc acgatggctt gttaagacaa ataatatcgg 360
ggtttaataa gattggggtg gagtttgtct tggttaagtaa gaagtgggtg tgacaaaata 420
ctta 424

<210> 14401
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14401

tgtgcagagt tgtgagcaac anagggatct aaaaaatata ttctaaaaat taataatcaa 60
atagtattga taaaaaaaaat gtgcataaat caagtacaaa tccttcaaaa caaagtaaga 120
tcaaatagta attntagcag aaaagagaaa aagaagcnaa aaaaaaaaga taagcaacta 180
aagttagaag ctaaacgtaa gaacaaaacc aaaaccattg gaatttaagg tgtgtgtgag 240
agaactgagc cgaaggaatt gtgacctatg aagaacaaat canagtgaaa atgcatagaa 300
gagtgtcatt ttttttaaac taagaaatat atactttac 339

<210> 14402
<211> 402
<212> DNA
<213> Glycine max

<400> 14402

ctccaaacct atatacatcc actcaactcta acaacaatct cacagcctgt actttatttg 60
tatttactaa taacttatct ttaaaattaa ttaagtctaa tcatgagaga attaaaagat 120
cttaatcaag tgaatttatt gctattttgt gattgaattt taaatatcaa tttaactaat 180
acctatacta tgttgcataa agataatgta gatatgtact gacttatata ggcgaacaat 240
gcaatttgtg tgatgattaa agtgtgatta atagtaatta atcataatac ctttgtggag 300

gattgagttc gaagaggata gaaatggaaa agcagattga gaagatgtgg ccttccttgg 360
 taaagtgaga gaagtggcca atatcataac ttcaataaca aa 402

<210> 14403
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14403

gcatatgtac tntaagtgag agagaagata taaattatatt gtaataataa ttaatattac 60
 gagtaaataa catatacaaa gatgattaat ttttacataa tcaatcacat attatcatat 120
 aatgtaaatt gattgatagt aataataaaa atataaaaatt catattaatt atgatttaag 180
 ttctaaacat tatagatgat atgataaaaa aaatgtgtat aaaaatgaga aattaagcaa 240
 taatgagaga aaataaaaatt gaataatgaa agagagaaaag agtgtgaccg tcacagcttc 300
 caatagattg gtgttgctgt gcaagtactt gaggacccat gttagaacac ttgctgtggt 360
 gtcattgtgca gcaaagatga caccaatgag attatcaaca acttgagaat ctgtgtgctg 420
 ctgatagtac atc 433

<210> 14404
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14404

aatccaaggg gccttttttct cttgacctgaa ctctcttttta atattggtgg aagaaaactc 60
 ggccctgcgt actcacagct ttgctcatta attgtgggtg cttgttttctg cactgagcgt 120
 gtattgtgct ggacctttttt caactatgct ctattgttct tagatgatag gcttttaatc 180
 catccctttt atattctgcaa gcccatgaat atgaaaaaca tcagttctta acaattaagc 240
 atgaataatt gttaaattat aacttttacag gatattttca ttatatgttt attataanaa 300
 acatatcata tntacctgtt ttaactagtg acttatagcc aaagaagatg aaataactga 360
 acttagttca tttccactgc act 383

<210> 14405

<211> 347
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14405

tttttttatt tcttagtcta tcgtaaagaa gcttgcccttg tgaagccatt gtggaactag 60
 aggtgtgtat aactataggc caaataataa tttgcgcgct ggaaaaatat ggatggtaat 120
 gccttaattg tttgttaata ttcacgggat tgtgacgtct tgtgtaanag tactttttct 180
 atgatgtccc tttgatatgt ataacctgta actgaaagca ataacacgtg agaactaact 240
 cgggtgcaatt aattgagata atggtgctgg aatttataag taaagcccat ctaatggatc 300
 attgataaat tttgaaaact ctaaaaatat atctgaacta acatatg 347

<210> 14406
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14406

aacctactca gacagcagat gaggcactnt gccaacatcg gtccataacc ttagcgaggc 60
 tggcattgta acatcatcat gatatgatac aacacaccga gtgactagat tgacataacg 120
 gagacaccta atggtatcta attgcaaaga ataacacttg cctaacgggc tgtaacccta 180
 ccttcggcac ctcccacact atacatcggtg agctaagatg tgtggggagaa cggctgatcg 240
 gccaaagcgca ccaagatgca atctccgaaa accacatgat tcgaatcgaa tatgatgcn 300
 ggcacgagtg cgcttgagtg ctataatcta caatctctat acgaactacg cactcatctg 360
 ggatcttaga gaaacttctt actagatggt cacaagctag gctattgaat t 411

<210> 14407
 <211> 139
 <212> DNA
 <213> Glycine max
 <400> 14407

gatcactatc aatcaataag aaatagacct agatatttat tttagacgtg agcatagcac 60
 ctctaattccg atataagcgt gaaatcttat tgttagtaga cagagtatcg catcatgcaa 120

tctaattcct gtattgtac

139

<210> 14408
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14408

gaaaattact caaagaaaat tgcaaacct tactgttata agtaatagaa gcaaactgca 60
ttgagttata aattacgaaa aaatactata gttcagaaca aaaatgctgc agtcaacatc 120
atctataatc acattatcta taagattggg tacctgaggt tacctgtaac agttgcatat 180
taacatcccg cggaacacca ctgagcaagg cagaaatgtt cccactccca cccctcctt 240
ttgaacctgc caagtcaaaa gcatcaataa agtaagccac gagccatgac ccttccaaca 300
taacatataa tagaaaatca gagtaaactc tcattctagt tccgagattg caagtgtagg 360
tcattntagt tctnttacia aatctcatat t 391

<210> 14409
<211> 382
<212> DNA
<213> Glycine max

<400> 14409

cacagcttca gttgttgatc tgtaaccaa aaggtacgtg atatatgctt gtttgattag 60
gtgctacatt tagacgagag cttctccaag atcagtattt gtttatcaaa gtaccagtga 120
cctccaacat atattctttg cacatccatt ctgtggaaca actggaagag atacacaccc 180
ccttctcctt catgatatta tggtctcgta taatactatt gttttcatca gttaggctga 240
aaacaaaacc atcatcttct tcatttatca acatgaaacc ctacattacc ttctccatgt 300
tgtcactctc tcaaaacctc accgtgtgtc actcagaact ctcagtggat tctctcactc 360
aaactcaaag aacagaacag at 382

<210> 14410
<211> 381
<212> DNA
<213> Glycine max

<400> 14410

atgatctaga gaatgcctgt taccatctgt tcggacatga ttaagttttt aacataatag 60
 tcatgcttgt attggtttaa gacaattgtg caacaattac tttattaact actacattat 120
 caattaacca ttagccgttt tacccaagct caagcaagcc tatcacaacc tttcttaaatt 180
 gttagccatt gatgttacga ccattcaact aactggataa aatttattta ccaattacca 240
 ttactggatt gataataggg taccaaact gattgttagc acaaaatatt gcttgcctctt 300
 tagtaattgg atgttcattg ttaacagata atatctgata ttgcctctgt gccagctctt 360
 atttctctct agcgagtata t 381

<210> 14411
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14411

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 cacatgactt aaaattcatc acaagatgca atgtataaac aacaatgaag acatttgtgt 120
 ctacatagtc aagaagcaca caccagaagt tgtgacgaac aaagtcatgc actagtgtac 180
 taatgcaata tcatgacaaa ctctctaat atcaatgatc aaatatgaag aacagagcta 240
 gtcacgtact actattacta tattaataag ttaaccgtga gagacaaaaa tgagtctcta 300
 acatctgcaa tgttaacaaa aggatctaca ccattatgta gaagactcac tnttctaaaa 360
 gagtagcaaa actcatgact 380

<210> 14412
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 14412

agcttggttg atcgatatg cgagacagag accaactgtg tagctatcat cgccgagtac 60
 caagatgagt taggtctagc cacggccac gagcatacaa tcgcgatga gtatgctcaa 120
 gtatatgcgg aaaaagacgc tagaggaagg gtaatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggagggc tcttaccttg aacgggagtc aagaacttcc ccgattgtga 240

gccaaaggcca atgcgatggc agacacctac tccgaccgcg aagagataca tgggctgctc 300
 ggctattgtc agcgtatgat agacttaatg gccacataa tcagagatcg acaggaaact 360
 tgtatgggct ctcagaccgt gactagatat gac 393

<210> 14413
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14413

attcaaattt caagtctgaa gagtcacaac tcttcataaa ctaactgtgt aatcgattac 60
 cacatttatg taatcgatta ccactaagga attttcgaaa ataactccca agaatcacao 120
 ccgttcaaga agttcttgaa tgaccatcaa aggccataa ataggtgact tgtgatacga 180
 aattcattag agtntntttt aataacattg tcttatcctc tcaaaaccaa attgtcttat 240
 cactctcaaa atattccttg gccaaagatac tttcaaattc aataaggaat cttgatcgat 300
 cttcaattgt aatatgcttc tcttaaagag agaaaattct tcttcttctt attcacagag 360
 atctgtttta gagaccaatg gtctcttaag ttgt 394

<210> 14414
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14414

agctttcatg cattttagt acgctttctt gatctgcctt ggagtggcat ctggaagctg 60
 gtgaaatgga tcaaccaatc attaaacata cactatacag tatgatatta atatatatct 120
 tgataataat gttctctctc ttccctcaat tataacacta ctctaaaaga agggaaggag 180
 ggaaagtcca ccggttcgat cccaactaat aaattaacga ttaacattta ttaataataa 240
 aaaaaatta tagcattact ctcacagcca caattactct agatgtaact ttcgaattag 300
 ttgttacaaa attagagtaa gtaaaaaaag ttngccagta tcatgtattg tattaaattc 360
 ttcatttgtg gttaactgat tgagcagctt ggatgggtta ttgtaaatct tgtgatactn 420
 tcttcaattc atat 434

<210> 14415
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14415

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 gagcattggg tagggacctc atccaatgaa agtattcaac tnttggattg atgaaacgag 120
 ctttcttgac tttgtaagga aggcatacaa atcctacaat gttcaaggat gaggtgctta 180
 tgtggtcaaa gagaaactca agctcctaaa aaaaatcatc aataagtgga gtgtggacaa 240
 gggtgggagt catcaaacac aagtcgacaa gttggtggcc aatataactt ctttggatgt 300
 tggaagaatt tcatangaga aggtgtgtga aagggaagac atgctcaang gagtttggaa 360
 gaatgcaaga atccaagaat taattaatct gcanaagttt atgcttaagt ggccaatata 420
 actttccttg gat 433

<210> 14416
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14416

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 gggtgaaacc tttgcgaaat tcttcacgga aaacggttac gaaacgtttc ggaagcgctt 120
 cggcttagat tttcttcacg gaaacgattt ttccaagcaa attcgaaaga gatagaagtg 180
 ccaaaggggc tgaaccctt ccttcttcac ttctccctt atttatagta aaatagggga 240
 ggtggttgcc gccagctcg cccaggcgag ccagggtgct tctccagaa gcaacagcct 300
 tctggaggaa tattctggag ggcccaagtg ggctgggtg ctatttgac cccattttt 360
 actaagtaca cctcctctg ccttnttgg tgattctttt ttcgtanagt tacggaaact 420
 tac 423

<210> 14417
 <211> 413
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14417

cctcgaactc gctaagctca tataacttag acgaattttt ttatttntgc cttgcgctaa 60
gcgccctact tttgcactaa gcggtattca ttgcggtttg tataaagcta agcgagactt 120
gctcgctaag cccaatagcg tctagtagtc gagtcgctt aagcgagcac ctctcgctaa 180
gcgcatgttt aaaactgttt ttccctgagc taagagagtg cctatctcgc taagccaatt 240
atgcagaaaa gattttctgt cataactcgc taagcctatg agttatttct cataaggcac 300
gctaagcgag catgatctcg ttgagcgccc actgtgtttn tcagttttta atgcatgctt 360
tcaatttaaa taaaagttag ctaatatagt tntaatggtt cttttgtcac aaa 413

<210> 14418

<211> 401

<212> DNA

<213> Glycine max

<400> 14418

agcttatttt atttcaatta tgcgacgacg agaaaacaaa acacaattaa agggatgaaa 60
ttcatacttt aataagttta tgggatgaaa aatatgtttt aatcattatt ttattaaaaa 120
cttaattata tcttatattc taaggtttaa tttgatccct caatttttaa aatgtttaat 180
ttgatctttc aattatttag aatgaaacaa ctatatcttt tgcatacat ctcttaatta 240
tgtggtgaaa atagattttt tttttattac ttgtcaacac aattgatgta aaacattata 300
tttctaaaat taattgtttg gccaccgatg ttaaaagata tcttcaaac tttaccaaat 360
ctagcctttt acatcgattg tcaagcaacc gatttttaaa a 401

<210> 14419

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14419

ntgagccaca atcctaactc accatagacc ttgacttant gtgatatatg tcaatcctta 60
ccctcggaag caaaaaagaa gagaaggaaa atttccaatc aaagaaaaaa aagagaagga 120

taattttccaa tcaaagagaa agtaaaaaaa agagagaagg aaaattttcca atcaaaggaa 180
 aaaagagagg aaaggaaatt cccaatcaaa gagtgggaga aagcgaaaag aaaagaaaca 240
 aaattcccaa ccaaagagt ggagaaagta aaaggaagga aagaaagctc ctgatcaagg 300
 atcgaaagaa atcanaagaa atgtgcagaa aggtctttgg accagacaat atctgaacag 360
 tacagaattg tcaccaaata aa 382

<210> 14420
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 14420

agctttatatt gttttggaat caaataaaga accaaaaata gtctcatatt ggaaaaattg 60
 ttcatatcgt gtctcaatag aattaattaa ttgatctaata atgtataaaa aatactcgat 120
 acgaacagat tcttcacgtg aatgtgtgat ctctactata atattttcat caaaatgaga 180
 ttttctatga attttacgtt tttcacaaaa ttttggtctt atatccattt cgatagccat 240
 tttttctgtg gattctaaag tcatgcaaaa cccgtcttcc ctataatgtt ttatataagc 300
 gataagacct tttaaagat ctatagcaac atctatatgc atatctttgg attgtacaat 360
 cctgctaaca gaaattgcaa caaacaacat atcata 396

<210> 14421
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14421

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 aatgcagggc atatcatttc caattttctg gttctaaaac caatgttcaa aattgattct 120
 ggaattagca acaatacatg tctccacttg tatgaaatgt gacaaggcaa tttgatatta 180
 agacgtagga atgcaatttg agaaggctag gtgcttgaga tggtaatgtg agacgcgact 240
 ttgattgcac atacttaggc ttatatctac aaggaagact atgataactt tattttatttt 300
 ttggngagtg caccttctaa ctctatgctg gcttaagga 339

<210> 14422
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14422

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 gttgagtcatt gttctcagta tgaaaattac tagtcgaatg ctcaaaatca gaatattcag 120
 aatcaccagc aacagaatac tcaaaatgct caaaatgcac agaatgacca agatgcacac 180
 tatgcctaac taatctatga aagggttctat ctattccagg atcaaaggat tgtaaatac 240
 ctggattacc cctagtcatg cactatatgc agcaaatac gtgtntctca gacaagcacc 300
 agcggagggt taaaactaca actatagtaa aacgatatcc atatgagctg aaattctgtg 360
 atcaacaccc tataataatg aaaagatagc acaaaaattt tcagactaaa attcaaagtc 420
 taacta 426

<210> 14423
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 14423

cccatgttga cacagatatc ctagctacta tatatactaa tctttcttca tgtgggtgct 60
 taactaaata tatatgtatt tctgacaaat cacacattag tatgaaaatg aatgatagtg 120
 gtacacaagt tccagtacaa tagttgaaat tcaataggag gttggcaaata tcataactca 180
 gaaatagaga aaacaaaaat cttatcaaaa ggtaagggca atctgattca ggcattcgag 240
 tcaagccaat atgaatatta attttcacct gtagctaata cacagaacat aacaggaata 300
 atagcatata ctgagatcga ttactttac 329

<210> 14424
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14424

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atgcggtgac tgtagcgat agcaaaagaa tgtttatact aataaccact tgggtatttc 120
 tgccggcccc ctaacttcac gacttattac cgacagagtt tgtaagcgtg gaagacgac 180
 tatactccg catgtgaacg agcttggtg cgcgattga caaatggtgc agaagacgac 240
 atatgttttt tcatggtatc atgcattgag tcttacagat agcaaaagaa tgtttatagg 300
 gataaccact tnggtattta cgccgacccc caacatctcg agtttg 346

<210> 14425
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14425

tcaagaaaa gatggcctca gcaaattcct tatttcgga atggaatnct atcaatagac 60
 ctccaatctt taatggagag gggtaccact actggaaaac ccgaatgcaa atttttatcg 120
 aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaatcta 240
 aagataaatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gctcaaaaca 300
 taataacatc tgccctaaga atggatgaat a 331

<210> 14426
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14426

cttttcacat gaatgtccga ttcgggcgca taatatgtcg agaagctcga aattgaacaa 60
 cggaagctct tgagaaattc aaatgggtcat aacttttcac acggatgtcc gattcaggct 120
 tataatatat cgatacgctc gaaattaaac atcagaaact ctcgcgaaat ttaaatggtc 180
 ataacttttc acacggatgt ccaattcggg cgcataatat gtcgagaggc tcgaaattga 240
 acaacggaag ctctcgtgag attcanatgg tcataactct tcacatggat gtgcgattca 300
 ggcgcataat atgtcgagag gctcgaaatt gaacaac 337

<210> 14427
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14427

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 tcgagcgtct cgacatatta tgcgcccga tccgacatcc gtgtgaaaag tcatgatcat 120
 ttgaatntct cgagagtttc cgatgtttta tttcgagcgt atcgatatat tataagcttg 180
 aatcggacat ccgtgtgaaa agttatgacc atttgaatgt ctcaagagct tccgttggtc 240
 aatttcgagc ctctcgacat attatgcgcc cgaatcggac atccgtgtga aaagttatga 300
 tcatttgaat ttctcgagag tttccgatgt ttaatttcga gcgtatcgat atattataac 360
 cctgaatcgt acctccgtgt gacaagttat gacca 395

<210> 14428
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14428

accaaagatg atgacaaaaa gcccaagaga atgatttcaa gattgactca acaagtttca 60
 agaatcaaga gaagtttgat ttcaagattc aagagaagat gaattcaaga ttcaagagaa 120
 gaaatcaaga agacttcaca agggaagtat tgaaaagatt tttcaaaaaa caaacatagc 180
 acagtttttt ttttcaaaac agttttttct anaattttct aagctaccag agtttttact 240
 ctctggtaat cgattactag tttcctgtaa tcgattacca gtggcaaagt ttgatttcaa 300
 aagttttcaa ctgaatntgc aatgttccaa ttaatttcaa aatgggtgtaa tcgatta 357

<210> 14429
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14429

ttcctaacta gatgatatag atgatggatg ttaatgtgtn caaccctaca atgccccaac 60

[illegible]

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<223>      unsure at all n locations
<400>      14430
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<210>	14431
<211>	439
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      14431
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6080

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acaattgtat tcaaactaca acgtatatac tttttgtgaa tatgttttct tacataacat 420
gcacatatta tattatttt 439

<210> 14432
<211> 431
<212> DNA
<213> Glycine max

<400> 14432

ctgtctggcg tttatacatc agcgcacaca cgagtgagga gtcaggatga ttcacatatt 60
cgcctgacct gtacgacagc gagaggcgcg ctatgccatc tgcactgccc gcacaacatt 120
gctgagatac cgtgccgccc aatcctgctt tgatgccaaa gcttgctgca tggcggatag 180
ctgcctaaac ggccttgctc aggggggtcct ggacatatc gaaattatcc caatccgcct 240
tcggtcaggt gatagcgggtg gctacgtcga tcaaactgat aacatgaatc caactgctta 300
cgaccgcacc gaagaatatg tctctggcga catttgaaag gaaaagctgt gagacgggat 360
cgcggttaga gcatgacatc cggtgtgcc ctgtaagcct ggggacgcgg cgaggactc 420
ttggaaaacc c 431

<210> 14433
<211> 159
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14433

cacactgact aatattccta actgtctctg ctgtcagacg ttcttccaac tcaccaaacy 60
atacatcttn tttccctctc aatgacccaa tgattatcta tctcacttca ctttcttctc 120
gettacttcc cctcacactc ttacgtgctt catcactta 159

<210> 14434
<211> 396
<212> DNA
<213> Glycine max

<400> 14434

ccaatgaaag gatcgatgtg ggtctgaaaa aaggcaaatt tagtcatcct gcttgagca 60

atgagaaaac tggggcaa at gaagagggtg agaaagaggg agaaacccat gctgtgactg 120
ccattcctat acgaccaagt ttcccaccaa cccaacaatg tcattactca gccataaca 180
aacctcttcc ttaccaccg ccagttatc cacaaggcc atccctaat caaccacaaa 240
gcctgtctac cgcacttcca atgacgaaga ccaccttag cacaaccaa ataacaccaa 300
caaataggaa ttttgacga aatagcctgt aggggtcacc ccaaattcgg ttgtcatatg 360
ctaaacttga tcccatatcc actcaataat tcaatg 396

<210> 14435
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14435

ctcgcccagg cgagcagggg tgcttctcc ttaacttcag ccttctggag gaatcatctg 60
gagggcccaa gtgggcctgg ttgtatattg caccgccatt ttactaagt acacccctg 120
cctttttttg gtgattcctt tttcgtaaag ttacggaaac ttacgaattt cgtaacgata 180
cttgttttct tttcgtaatg ttacggaacc ttgcgatta cataatcatc cccttttttg 240
acttacggaa tgttacggaa cctcactaat tgtgcatcga tgcttcatt tgatttcggg 300
tgtgtcacgg aaccttacgg attgtgcac aatatntct ttngttttct ggcatgtcct 360
ggaatttcac gaattgccta atgatgggtg ccaagcacct aacaaggacc aaacaanagt 420
cgcatgtcat c 431

<210> 14436
<211> 399
<212> DNA
<213> Glycine max

<400> 14436

aacgagacat cgggagcgat tcaagatatg acgagcgggc atccctattg actgatttcg 60
cgagtgactg ccgcattatt aggaatcaag acaagtatga ttccacgatt cctgaggaga 120
tgatttcatt attctagata ttaactcagg aagacttccc aaggtaatta ttgtatcgat 180
cgttcacata atctacatag cacagtgtct ttatttataa ctggctttat catatctctc 240

taaggtccca tattgtttac tatctggtat agatgactag atcctgtata gatttccatg 300
 ggaatattct gtgtctaacg ttcaactgat tccaatgttg ccacttttta taatgggtga 360
 cattgaccaa tgtagttttc gatacattat tgccgacat 399

<210> 14437
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14437

tctctataaa ggtctcaatt tgcttgttta agtgcttggt ntgagctagt aatgcatctt 60
 gagatgtgag ctcaacaaga ctcttctttg taggtttgta agctcattcg tgaaagatgg 120
 catgatcact gattgccata ttntccatta actccatagc ttcacaaacg gtctttaatt 180
 taatttttct gccagcggat gcatcaagaa gtccttgga atggggctgc aagccatcaa 240
 tgaatatatt taactgaaca ggctcactga acccgtgagt aagagtcttt tggagtaaaa 300
 catggaagcg agcaagagct tcaacttaatg attcatcang gaattgatgg aatgatgaga 360
 tntccacett ccttttagca atcttggaact cttgaaaata tttatttagg aagatctcca 420
 ccatatcttc ccatg 435

<210> 14438
 <211> 520
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14438

aggagtcggt tagcatcact acacannent nnannacnag cncngagga tcttntnnag 60
 acgagctgca agcatgcatg cttatttate ttttctcact aatctgctcc atgcgtggac 120
 tattacaacc tgtacctctg caccaccacc atgtgcggaa atagtactca atctactgat 180
 taacaacata tattacagca tatatattat aatgaagcac actgtcagat gatagataga 240
 ctagtatact actacctctg ggacggtata tgaactagaa gctcgaagct cgctgtctag 300
 aaataggtga gacgatttca tactctgccc cactccaaca acagctgctt cgtacgctca 360
 ttattttcat tcatcatatt actgagcgac ccgcttgga cttgctgacc cgtgccatgt 420

gcattacttc tgagactcac cttgtgcgaa tgagctcgga gacacaaaaa cagacaccct 480
cctataatat accccacgat ccgctgaggc cctgcttctg 520

<210> 14439
<211> 376
<212> DNA
<213> Glycine max

<400> 14439

ttatattcat gacgatcgag agatttggtt ttttgatgag ttatgaatta ttggatatat 60
cataaaaaag gtgtgagacc atgagagctc taaaataata tctgaatata cttacacgta 120
cattatatat attagttctt ttttcattgt catacatttt atattatatt atacacgggg 180
tttaaacttt atgctaaatc aacttctatt attaatttta caaatccata aaattggcag 240
aaaagctacg tcatctagtt aacgaagttt tttatgcttc aaggaatttg aaattcacta 300
tatagacagg cctgatcaat tgtcattagt tatttaatgt cacgtaaaca aattaattaa 360
ttaaacaaaa cgaatg 376

<210> 14440
<211> 428
<212> DNA
<213> Glycine max

<400> 14440

agcttgtctt tggtttagac atgatttata tatgatttag gactttagg attcaatttg 60
ggcaaaattg gatgaaggca agagtgggtt ttgaaatctg cactttatgc agaattttgc 120
tgtggaaatg tgcagcagaa ttttgcataa gtgcagaaaa atgcttatgt atggttggct 180
gtggaaaggg tagtgcacat ggggttctgg acatttttta gtagatccca acggtcaaaa 240
ggtaggctta tgtactagag acttccagta aaattttcga gtcgatccaa cgggttaacga 300
cttgcaaaga agaaaagggt actgggatat ttgtatgtga aaagctgtga ttttggtatg 360
tgttttaagc agagttttct gcctttgccc tgttttgctt ggttttgtta gcttgtgatg 420
atgggatg 428

<210> 14441
<211> 231
<212> DNA

<213> Glycine max

<400> 14441

cccgttgaag atcgaggaac tatgtttatc gagtgcgaa cgtccaagaa cgggtgaaac 60
ctttgcgaaa ttcttcacgg aaaacgttac ggaaacgttt cggaagcgcc tcagcttata 120
ttctcttcac ggaaacaatg tttccaagca aattctaaag agagagaagt gccaaagggg 180
ctgaaccctt ttcttcttca ctctctcccc tatttatagc aaaatagggg a 231

<210> 14442

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14442

agcctatctt ttatatgaaa ccccccaaa aattctcaaa tgtgaaagtt ttaccttctt 60
tcttgaccat acttcttttg gaagctgata attcanagga actgatggtc ctctattgat 120
gagatatggt gttgtgttta ttgcttctgc ccagaatggt ttatgcaagc cagattggat 180
ccacaaacac cccgctctct tgttcaaggt tctattcatc ctttctacaa caccattttg 240
ctcaggtggt cctagtattg gcttaataat tctgattcca tgttctgaac aaaagtcctt 300
anaatcctga ctatcatact ctctgtcatt gtcagatttt agactnttaa cctttagacc 360
tgtntgattt tcaacttctg ttgtccactt ttaaacacag aaaacacatc a 411

<210> 14443

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14443

atcttgatgg ttttgaagat ggttattaat gaaacaaaga taaatggaga aaaagtgcaa 60
tttaaattatt tctgatttag gaaaagaaca gggatacttc tacataatga aaattcacca 120
aatctgtata tgtgctataa aaacatgcct ttttagtctt tagtgacagt aatngttttg 180
ttcttacctt tctgggtttt gtcatgcgaa tntgagtttg tttgacttgc cctcattatt 240
gcctaagtct atctggactt tcagggagag tggatcttat ctngaaaaga tgctngcaac 300

aactacaaat tacttcatct ttatatgtat gccgcgaagt gtgaaaatct tggccattca 360
aaggatccgt tcttgactca agtttc 386

<210> 14444
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14444

caactaaaag tgcaacacgg atactcttca gatatcaaga gccttgcac cctcaataat 60
actatattgg cgagcctgta gtcgtatgat tgtcacatgt taatgcacca actattggat 120
gtagcgatta gcgatatctt gcctgacata gctatggttg ccataactcg tgtgtgctct 180
tctttaatgc tatntgtagc caatgtattg accctcgaca atcggatgat ttgaacaatg 240
aagctgccat cggccttagt caattgtagt tgtatcttac tgcacactt attgacataa 300
tggatcactt aattcgtcat ctc 323

<210> 14445
<211> 232
<212> DNA
<213> Glycine max

<400> 14445

ctggccatcg gccgggatga tcatggctct ccaggctgga caggcagaag caatgtgtcc 60
tctgactaag cattggaagc attgtatggt actggtgccg gcgccggatg atgagacaaa 120
actatgctcg gtttcatgga cttacattgc attaaacttc attaaagagc gcaagataca 180
tcaataaatt tgacaactcg agcttatcct ggaatgatat ccatataaca ca 232

<210> 14446
<211> 226
<212> DNA
<213> Glycine max

<400> 14446

ataacatgct taatgtggcg accattcaat ttttactttc aaatgtatat caatgagcgg 60
aatcttgctt caatttatgg atccgcgagt atatttatga catcagtact aatatgtcat 120
atgcactgta ggataagtta ttggcttgac tattcgatgt cattagatta tgattctccg 180

agaagtctag cggctctatg gaagaataat acatctcgac ttatct

226

<210> 14447
<211> 247
<212> DNA
<213> Glycine max

<400> 14447

tagtgagaa tgatacaacc atgataatga tgattaattt gtgatagcat atggagaact 60
aggaatgaca aagtctggaa tggagtgacc cctcacacat agtgccaatt agggatcatg 120
ataccctata tcaatggagg tgtgctatgc gtatcatgca agagccacct catagacctc 180
tcacacacca agtacatgat tggatatgct cgccaccagg ttatttgaaa ttcaatgtag 240
atgttgt 247

<210> 14448
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14448

agtctttatg ctatgtggta ccatgtcagt gaaaaacctc ggcgggcgcc tatgagtaca 60
tgacaagaca agccacacaa tagtaagtca agtcactctc actaggtaat atcataggga 120
gaccagtcag ggtcacagtg ttttgcgaga attttccaac catatgagat caacatatgc 180
ttaaaggagc actcaaaccg tgtgaccccc aaggcctaca ctccgaagag tccgtcaggg 240
cctctccctc ctgattcatg tccaaccaag agaatatattt agcacacaga ctctatctat 300
gaactgtaca aaacacatga cttctcaatt gttctcaaaa tacatntaac tcgtcgctcct 360
ttaagggtct tatcattaac tcgtcgccct taaagggact taacattaac tcgt 414

<210> 14449
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14449

agggtgaagc agtcgncgac tncnncnng attaanaccc cncgcgcn caancgccac 60

acagaatggt aggcggttt ctttttttat gccgtaccga cactgggatg gagtatatcg 120
 ttaagtgtct cgatcttgcg ctctttgtgc tacgattggt ttctgcgata taattctgcc 180
 taaggtggga aattcgcgta gctcctcntt cagaggctat caccattcta ggcgtttttt 240
 tagtgtgtc gtctgtcgtt agatacttcc ttgcctttct ctcttggtcc tctgtctata 300
 atacttctct cgctgaactc tggcctcctt gatcctctat tgctattctc gccgtgtact 360
 gagtctccta tctctcttta caattagatg ctctgtagga acattccatc ttttgctttt 420
 tctttttttc cgtgtgaggg gtacatttgt gcattttttc gtatcggttt tcccttcgtt 480
 tcgatttttg gctgctttca caattgctat g 511

<210> 14450
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14450

aaaaaataat tccaaacctc ctatatgttc ctggtaataa tcccgatgaat ataaaaatta 60
 aaccaaata aatattgcaa tccaaataag catgtcttca tagtnttact atacactntt 120
 ggaagcttca agttctcann atttgttgtt gggttataga aagctntgga nnagcttgat 180
 tttcttctta ttattccgag aatatganag caatggaaga aagatattgc atagctaana 240
 acgtatgttg tcttgagat actatacacg ttgaaagctg ctggtgcttg aagttttgta 300
 ccgacaaact tatagaaaca tatgcgtacg tgaattagat ttctaattat gatatacatc 360
 at 362

<210> 14451
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14451

actcaagctg gactgacctt nacattatgg tacttatcta tgagagcttg tgtatttngt 60
 tttatggtgt gaaagcttat ggtacttaat tagcatgcac tgggtcatgt gcgcatcata 120
 tgctntagtc tancatgaaa ttatggctga gccatgttgg ttctttggta taggaagtgt 180

cacatgaaat ttgctagcag ttttctgctc acgtggttga gctcttatgc acactntgga 240
gcaattcgtg cttagcaattt tctttggatt tgtacaatct ccataatagt taaagcagct 300
tgtagagttt gaaaaataat cacatgattt aatgtcctgt tcttctcttt ctcttggaat 360
ttacacattg ccttggagct ggtattngaa ctntgaaata nagagaacaa ggaatgacca 420
ttactacaag cagaaaagta tgtcagcaaa atgatt 456

<210> 14452
<211> 325
<212> DNA
<213> Glycine max

<400> 14452

ctcgatatac tataggcctg aattggacat ccgtgtgaca agttatgacc atttgaattg 60
atgcagagct tgcgtcgttc aattttgagc atctcgacat atgatcagcc tgactcggac 120
cttagtgcca aaggtatgac catctgaatc actcaacaac ttgcatgtt gattctcgag 180
cgtctctata tgagaatcgc ctgaatcaga ggtgagagct aaaagtcag accattttaa 240
ttgctcaaga gcttcgggtg tcaatctcaa gcggatcggg gtgcgacgcg catgaatcgg 300
agatccgtgt gaatagatat gacca 325

<210> 14453
<211> 280
<212> DNA
<213> Glycine max

<400> 14453

gaatcggaca tccgagtga aagtgattat ccttttgaat ttctcgagag cttctatgtt 60
taattatgag cgtctcgata tattatacgc ctgaatcga cctcagtgtg aaaagtatga 120
ccatttgaat tcttttagaca tacgatgtca ttttgagcgt tctatatgtg atgaccttat 180
cagacctcct gtgaaaggat gacattgaat tctcgagagc ttcggtgtca atttcagcgc 240
tcacatttat gcccgatcg acatctggga aagtatgaca 280

<210> 14454
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 14454

taacctagaa taaaaataac ttaatgccat taacctatgg aattaaaaca aacttaatgg 60
 ctgagtgtaa ctgaaattgt tggcaaccaa aagtcaccct caacagccaa caagtcagcc 120
 accatttggc ctcccaaaag gctgatgcct aagttgccaa ttgcgcctt attacaactt 180
 gaactaaagc ccttttagtt gattaaccca aaacatattt ttggtcaacc aactttacaa 240
 ggatagggcc attattttaga caaactaaac actctaaaat tgaaataaag tgggtgtcatt 300
 tagtcctgca tgtggggccat gatacaactc acaaccttgg actnttctcc ttgaaacttg 360
 cgctagtatt ccaatagtat ggacagcac 389

<210> 14455
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14455

ctcggatggt ttatttatgc gcataatata tcgagacgct cgagggttgaa taatggaagc 60
 tattgagcaa ttccaatggt cataactggt aaactcggaa gtccgattga ggcacataat 120
 atattgacac gctcgacatt gaacaacgga agctctcgag atattcaaatt ggtcataact 180
 tttaactcgg aagtcngatt gagacgcata atatatcgag acgctcgaaa ttgaacaatg 240
 gaagctcttg agcaattcca atggtcataa cttataactc ggatggccga ttcaagcgca 300
 taatatctcg agacgttcga cattgaacaa tggaagctct tgagcaattc aaatgggcat 360
 aactcttcac tcggatgtac ga 382

<210> 14456
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14456

tgctgccag cctcgtattt tctcttatat ggggaaaccg ctcatgtga actttcataa 60
 atggggctcc acacattcaa ccagctactt gaggacaaca ggtgagcatt ggactaccac 120

cgtcagaact ctcattcctc gtgggaacag tcagtgttc acatgactct tactgtgtga 180
 ctaagtacat cactcgtgaa accgacttcc tataacgaat tttagaaaac atccttcaca 240
 agccacagct gagctacaca ctcccgaatg gtcactaatc gcctctccct cagataccag 300
 acctggaaga tctctatgga agcttgagca gacccacacc tactcatact acttgtgata 360
 tcgcactctt cagatgtaga acctaagcca gctacgcac cccgatataa ctcacgctac 420
 cgcactctctc aagaaggatn 440

<210> 14457
 <211> 130
 <212> DNA
 <213> Glycine max

<400> 14457

cccagatgaa atgcgctcga aggttggttt tcttagccca ctccacgggc agcgtcgagt 60
 cgcccaattg aaagatgcct ccggaatgca atgttttaac gtattgaccc gaactcgaag 120
 aggcgtgtga 130

<210> 14458
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14458

acctatactt aacagaaaat acttataaca caaatgaaa atactaagta tttttgggcc 60
 tttagggctc cataatatag gtaagggtacc ctagaaatgt aacatttttc agtccttgta 120
 ttttagggca cctagactag ttttttgtat taggggtagt tttataattt cacatgcatt 180
 aagtgaatat ttgatgtgtg tggttgtaaa taaatntaat tgaattggga gaagcccaat 240
 ccaattataa ttttagagggg gaggtgagca tttgcttgta caccctattg cacatcatat 300
 agcacacttt gtgtgtgcct tcat 324

<210> 14459
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14459

ctaaaagctt ttcaccctta tcgacgattg aaaaaagctt ttaatggaag tcaggggaat 60

gaangccccc cagaaccatt aactggaaac caagttcatg atcgcgtaaa ggacattgta 120

accgtgtttg ggaagtccca gaagaagaca tcacttccca acaacatgtg gaagaaacgc 180

tcaatattct ttgatcttcc atactgggtct gatctatatg tgcgtcactg tctagatggt 240

atgcatgtgg agaaaaatgt gtgtgatagt ttaattngta ctcttcttaa ca 292

<210> 14460

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14460

cccacttaaa ctccaaaact gagcagagtt gctcattctt cctccatttt cacaagctgg 60

tcaaaaggaa agaagacatc atttccactc ttcttccaag attttccaac cgtaaaagaa 120

ccctccttcc atcaagctta ggtgaatgac ctccattttc acttcattat cttgctctat 180

tctcacttgt agtttcaaact cttatatctg cactcttgaa cgttggaaac aagaatccaa 240

actccctcat tctgccttct aaatttggtg gagactacaa cacgtanggg gtgtctctcc 300

aactcttgaa ccctatgctt ttagttaact tccttgaaca tgttgccttg aaattcccgt 360

gctagttgcc tatcctggat ctgtgtgc 388

<210> 14461

<211> 206

<212> DNA

<213> Glycine max

<400> 14461

gaatcggacc ttagtgtaaa aagttatgac cgtgagaatt gctgtggagc atccgttgga 60

catttcccag cagagctata tgtgatgcac ctgagtcgga cctgcaggtg aaaaggacg 120

accgagcgaa ttctgcgagc gctttcggtg ggcaatggca gccgccacac atgttaacgc 180

ccctagtcga acatccatgg gaaaag 206

<210> 14462

<211> 433

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14462

agcttggtta tgatgcttca atggaggaaa agaaagaggg agagaaagag agagggggga 60
gcacgaaatt gaaggaataa aagaggtata gaagtggaac tttgaagtat gtctcacaag 120
actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactangtag 180
cttccttgag aagctttctt gagaaagctt ctttgagaaa acttccttga gaagctagag 240
cttagctaca cacaccctc tcataactaa gctcacctcc ttgagaagct tccttaagaa 300
gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa gctcacctcc 360
ttgagatgag aagctagagc ttagctacac acccncata atagctaagc tcaccncat 420
tgacaaaaac atg 433

<210> 14463
<211> 303
<212> DNA
<213> Glycine max

<400> 14463

ggctggctat tatagaaaga tcattgtatg attttctaaa ttggcattgc ccctaactaa 60
gttgactcgt aagaatgaga agtctttctg gaatgagaag cgtgatcaaa gtttccaaga 120
gttgaagagg cggttgacga cagctccagt gttaattttg cccgaccctt atagaacatt 180
cgaagtgtat tgctatgcaa gcgggcaaag cttgcggtgt gtgttgatgc aagatggaag 240
agtactggct tatgcttctc gtcaattacg tcctcatgaa tttaactatc cgactcatga 300
ctt 303

<210> 14464
<211> 329
<212> DNA
<213> Glycine max

<400> 14464

agctttgttg tctatgatca ggtcatcacg cgcgcgctca aggatctcgg cggcgggctcg 60
ggcaaccacg ccaggatcga cagcattccc gtgcagatgg gcacggccac ggccggcagc 120

acgcccttcg agggccggct gcagctgac gacaaccagg tcgatgcccg aagcggcacg 180
 gtgcgcgtgc gcgccgtctt cgacaacaag gatggcgccc tcatgcccg ccagttcgcc 240
 cgcacccgca tgggccaggc gcgcgacagc agcatgctgc tggtcagcga gcgcgccatc 300
 tgcacggacc aaagcaagaa gtacgtgat 329

<210> 14465
 <211> 213
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14465

atgcgcatgc accctgatca tatacctcac aggccttgca tattcnaagc ggcattgcattg 60
 ggctttgcaa tgcattcaca cgaacagaat gtcatggaaa ctaataatac ttaatgacaa 120
 ccatcacttg acctacctgc aagcgcgcct gtactgttc cccagctgac tgcaccaccg 180
 cagtgtctta tctacatcac tgatcaaact act 213

<210> 14466
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14466

agcttangtt ttttaaang nngaagacaa ttatgtgtgt gttacactga tcacatttat 60
 atatatacat tactgtatat agtatattgg catttaattt gtattaatag ttcacagtta 120
 attgttagac gcgcaaaatt tttagctatc tagtaactga tgacgtgagg atgaattgag 180
 caaaattaat catgttaaac aaatgtagac aataatgtgt gtcttactaa tcatatcaca 240
 attatataca ttgtggtgga gcaagtgaga gtgaaacttt cttacagaaa gccatacaac 300
 agcaaggag agccactatc atggacacca 330

<210> 14467
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14467

agaagctcat ccagagagat gtagccactn gctttgtttt attaaaagaa aaagcagcaa 60
 ctgaatgata ttctatttca actttgttta aatgtaatgt tgcagctatg aattctctgt 120
 agtcaattgt gccactgttg tcaacatctg cctgcgatca gaattatctt ttttttaaaa 180
 tggaacaaat ggattataat ttataaggat gtgctactaa aactggttaa cactaccttt 240
 accattctgg attctattta caatgttact tttccctact tgcataacaa tgtgtgacta 300
 aatgatactc agaagtcttt cccttgtaag actatatctt tagaatggaa ttataaacac 360
 taccataat ataggtcaag ttacaacttg aaca 394

<210> 14468
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 14468
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 gaggagtcga ctcccctact ccacctcttc tatattgtga ctgttcacaa tgcacatcgg 120
 ctgggtcaac tctctcaca gaaccagact ggtccccaag aacctcagt ttatgctcag 180
 caaaaagctt atcaagctca tcagccttca ttatcagctc atcatgcac ccttgattcc 240
 ctctagattg cctcaccctc tggagttgct gctctaaagg tggagatgag gttgcgcgtg 300
 cattatctg agtctccaaa acttgtttca tcttgctact ttcattagca ccaccccttg 360
 taccttgtag cgtgcttatt agttgttcat ttctaccagg taatggatta tggtagtca 419

<210> 14469
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 14469
 gctctgatac aatagagaga gagaggcttg atattttata tgtacaacag aaagaaaaaa 60
 aaagattaat cttattgaac tcatgctaga ctgaattcta gatgaggtct tataatagta 120
 gtgtagaagt aataaaataa aggtgcttaa aaggaggagg ggaaaaaaa ataaataaat 180
 caacactcgt aacatactat ttttttttaa tcaacaaaat tgggtataaga tatatatatg 240
 tgggcacaaa ggggggtcaa aaccgtata catgtgattc atggcagaaa accaccata 300

ttggctaccg aatatta

317

<210> 14470
<211> 363
<212> DNA
<213> Glycine max

<400> 14470

agcttatatt tattatactt acgtcatagg attaacagaa tagcttatat cacattataa 60
aaaaaaggat gacacactga tgataattta aaaagtttta caccagcatc taatcccaac 120
ccatcttgta tgtaagata gttgattctt atgctaatta ctttataagt tatatcaaca 180
atgatgatat aatttaataa cggataaaaa ctattttata tatgaggatc aactcattac 240
attaacaata aaattaccaa gagaatcatg tcttattcta atacgaatat tttataattg 300
attattagaa taaacaaaga tttctctttt ctcttgctta ctaattgaat gtatcctttt 360
att 363

<210> 14471
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14471

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gatggctcct aactcaaga atctgagagt cttaaattga gagtcttgcc aactaggaaa 120
acatgttaag tcatcatttc ctcaaactgt gcagagatgt aactctgctt tctctaccat 180
tcaactctgat atttgaggac caagtacggt tacatcttct gactttcagt gttttgtgac 240
cttcattgat gaatagttca gatgtacttg ggtttatgta atgaaag 287

<210> 14472
<211> 360
<212> DNA
<213> Glycine max

<400> 14472

atcttgattc ttgaatattg attcttgaat tcaactttcc tcttgaatct tgaagtgtcc 60

ttcaaccttt cctcttgagt cttgaactgt tcttgattcc ttcttgata tcttgaactc 120
atcctttgat tgacctttga gctttttgtc atcacctttg tcatcatcat tgttatcatc 180
aaaacatctt tgaatcactc ttgattcacc atgaagctct gcttctacaa agaagataac 240
acagagaaca aacaaaacat cattacatat atagaaatat atttacatta gataacctaca 300
gggaagatcc aatagaggat atagctctcc atagtccaga aacctctttt acaacaaaga 360

<210> 14473
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14473

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aggaatcttc tagagggccc aagtgggctt ggttgcatt tgcaccccca tttttactaa 120
gtacacctcc ttgccttttt tttgggtgatt cttttctcgt aaagttacgg aaacttacga 180
atttcgtaac gatacttggt ttctttccgt aatggtacgg aaccttggtg attacataat 240
catccccctt ttgacttacg gaatgttacg gaacctcact aatngtgcaa cgatgcttcc 300
atttgatttt cgggtgtgtca tggaacctta 330

<210> 14474
<211> 532
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14474

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nnncannaaa nnaccgccc ggtatgggagc gacgcttctt tttatttttc ntaancanna 120
cgcacaccga gaacggggag gggctacgac gacangcgac ggagacaccc gccnngcgag 180
cgacaaccgg ggggacaaca gaggagccaa ccgagccaga acgacncgga cagacagcca 240
ccagaaaaca ccgcccggaa gcataaaaac gccggaaaga cgccccacac agccacaggg 300
caacacgcac aaccaagcaa gacacagcga cagcaggagc caacaaccag ccaaaaagcn 360
ggcagcacca acgncacacc ggagagacac gaaaccaacc cagagaaaaa cgccccacgg 420

atgaaccacg aaacctctga tcatgagacc aaacttatat gctgacgctg tgactcacia 480
gaggggttggg ctcaatcgat cacaccacta cctcataggt gagtgtgcac cg 532

<210> 14475
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14475

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aacagaagct ctgagcatat tcaaacgaca ttaactnntt tctcggatgt acgatttgtt 120
cccttagtat atctagacgc tcgcaattga aaacggaagc tcgtagcaaa ttcaaacgac 180
aatacacttt aactcagatg tctgactgag tctgttagta tatcgagacg ctcgatattg 240
aaacataagg tctgagcaaa ttcaaacgac tataactttt tactcggatg tccgattgag 300
tcccgtaata tatcgagacg ctccaaattg aaatagtagc ttctagcata ttcaacaac 360
aataactttt tactccgatg tccgattgag tcccataata tatcgagacg ctccacattg 420
aaaacat 427

<210> 14476
<211> 429
<212> DNA
<213> Glycine max

<400> 14476

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gacactttta aggacttcct atatgatgaa tcgcatatgc aggttgacat gcactcgcca 120
aataattcat ctgcacgaca tgctctgagc ttacttcgtc aactgcaaca catcaatctg 180
tctaaaacct actcccatat gacagtttgt aagactcaga tcactctgtg gtgatatgcg 240
agaaatacaa gagaacttta tgctcaatgt gaaagtcac cgctcatgga tacgatgcca 300
ttgacgtggc tgcatgtgag agacagatag tatataaata atgtctaaga ctctatgaac 360
atatataggc acacataatc aagtgatcac atgaagagag ggactgaatc tttggcttat 420
cattaatgg 429

<210> 14477
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14477

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 tacagcaatg catctctttg aagtaaaata ccctcggtt acttcctcgt cttgagcctc 180
 catacatttc caccttggtta aagcaccgaa ctaagctccc ccatggatga gcatacgtc 240
 atcatacagg ctcacccact aactgaagct ttgaccacaa gaactgatac ctttaagctt 300
 aacattctta cattgtttcg ccaatagact atccttaact gcgtgtttat ctccccctta 360
 cgaactaatg cctcacgctt ctctctctga ctatcctatg actctctgaa aagctgtgct 420
 gatgatgcat cacagctgta ctatcaaact tgcttgagga gggtgtagat tctgggtcgg 480

<210> 14478
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14478

cagcctccta tttattgtaa tttttgggtg gtgaacctcc ttcttccttg gctaattccc 60
 tagtggtagg tgctccctct ctctcttct cttttcctt ccgctgtatc tcaatgggtg 120
 aaaatcacca ttaaaggacc ccattgaagc tcanagatcc aacctccata gaagccctac 180
 aatcaagctt ccatacagtg gtatcagagc acaagagcct caagtgtcca ggaaaggagc 240
 ccagagtgtg aagaacctcg ggatttgagg tcaaatectt tccaagggtg agaggatgat 300
 gcaatcctac cccccaaggg tattggatag aagactccag gaggcttang ctagagctac 360
 taaagaatgc cctanggttc tcatgaacct tangttagct ntttgagccc atgggtcatn 420
 ggtggatcca ctc 433

<210> 14479
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14479

ctcagcttat gagtttctgg ttccaacctt gaaaactggc tattatcttt cattctctnc 60
tcctttggcc aatgaaatt cgccaaggac taaccacctg aattcttttt tgtgtctctc 120
tttccctttt tcccaaagaa caaaggacta accccctgaa ttcttttatg tctctcttct 180
ctcttgtaa aaaattcaaa acaacacagt ctaagaattc ttttgattct tcccatcctt 240
aatacaaaag tggttaaagg actaacggcc tgagaattct tttgtatccc attcaciaag 300
tatcaaaggt ttaacagcct gagatctttg tcttaacaaa tttggacggt acatcctttt 360
tggtacaagt agagggtaca tctacttggg tttgactgag aacaagagag ggtacatctc 420
ttgtggatca gttctagt 438

<210> 14480
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14480

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tgnggcaagt ttgtgctttg tttctttgaa ttgagggggt gttaggggatg gccttangcc 120
taggttatgc tgtgaaataa tggagcaagc cacattgccc ctattccctt attattggca 180
cccaaagtg cgcccaccaa gtgctcagt aaatgcctca atgacatttg ggcattggtt 240
tgtgaactnt ggattgtggg gctgatttgt gtgtataggg acaacatgt 289

<210> 14481
<211> 229
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14481

tcaattcaat ccctgaataa tttttggata ttgtccaata agaaatgttc gatcggcgtc 60
atcaggtgat gcttgctttt tatttttagac ctgctggatc ggtcatcttt cctggccgac 120
atcgactatc attnttttta tcaagtgtcg tgaataatgt tttttggccg aggtgggctg 180

atgtttttct agccgagtaa atgagaacac gccagtgtcg gccgaaaca

229

<210> 14482
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14482

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aacattagta aatgtacaat atatataaac caactagatt taagggaagt ttataagaga 120
actattacaa aagatagata agtgctaaca ttataatcca aaaaataatt gaaatatgac 180
acttatcaac ttggcaccct attaaggggtg taagtcgtaa gctttaaggc ttctcccaa 240
agtgactctg gcaaaaaaga atgactaatc atattttctca ccatatcttt aagagtttgc 300
tttcttcggt cttctacacc attcgtgcta cgttcttcaa acatagcgta tggccaaaca 360
attccacaca ctgtgagtaa aagcacaaaa agtactgaac gttgttctcc taatttgcatt 420
a 421

<210> 14483
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14483

aaaccagctc ttgctgccgc tctgggctca gaaattcatt ttttttcct cttatnacta 60
gctatagtga attcttttagt tcttgaatgt acaaccttca aattgttgct cgttcccctc 120
tntcttttct gcaaaaaaga aaatcaaatg ctgtgaaaac atggatgaag tcctaagaaa 180
atcaatatca aagaacacat ggatgaaatc acaattaaca agcacaatta cctatctttc 240

<210> 14484
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14484

agctttgang gtttcattct gtatttttct gattgtattg gtacctaage atttatttta 60

tttctttctg catttatctg ttgggaatat attgatctaa cttgttatta ttntctgttt 120
gaaagctctt tgagagctct gctctgatgc atatatctgc tgtaaagtct ctctctctg 180
cattatgtca actttcacat caatgcatga cttcaagcag tttgggacca acaactagtc 240
aaaaaattgg aagcatcagc ttttcagtgg aaagaatgat atccatcctt gtgaataatg 300
ctcacagtat gtagcttcaa tacctttgag catgatagca aatcttttat gctggatgct 360
gttttcttag aatggtgggt tgggcctaac tcaacacca aagctagctc atagggt 417

<210> 14485
<211> 393
<212> DNA
<213> Glycine max

<400> 14485
aagaagaaga aatcaaaaga gagttattat gcttgtgtct tggactctca tattacagtg 60
acaaagccat tgctgtgatg acgtgaaaac aaaacacgaa ggaaaaggca gaagagagag 120
aaagagaggt acataacttt ttttaattgtg ttttaatctt ggctgttcat ttttctttaa 180
ttgtgatcta atggctaattg attaattctc atttctcatt taagaagtgt tttcatttga 240
aacatccac atatatatag agagagaagg ttgttattca aattaactac gactattgtt 300
ttttgggttag cttttatact ctaacaatta aagtaatgaa ctaatggtag tataaaaatt 360
tctttgcttg ccatccaatt ttatgataaa act 393

<210> 14486
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14486

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gggatgcccc acattatttc catgacacan atgcaaaaat gatgatttgg aaactntatg 120
caaaactggg catgcatgcg cctatgcgga cgctcaagtg tcaaattttt atggtcaggt 180
gatgctaggg ttcaggattc atttctctta ttttaaatca acccaatggt tccaaaatat 240
gttcttttat caatttgtgc atttctccaa gtccatttcg ggcgtccggn gaaattntta 300

cagcattcac ccttcagggtg tagacacgtn ntttcttcaa aaatcggtta tgatcaatga 360
 attttttttt caaagaaaag ttggaaatca tctcttttc 399

<210> 14487
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14487

ccccggagta cgacagtcac cgctttatga gcgttgtaca ccagcagcgc ttcgaagcca 60
 tcaagggatg gtcgtttctc cgggagcgac gcgtccagct canggacgac gagtatactg 120
 atttccagga ggaaataagg cgccggcggt ggggtaccact gggttactccc atggccaagt 180
 ttgatccaga aatagtcctt gagttttatg ccaatgcttg gccaacagag gagggcgtgc 240
 gtgacatgag atcctgngtt aagggtcagt ggatcccgtt cgatgcc 287

<210> 14488
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14488

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 catgttgggg ttataaaatc ctctttccta aaaatgataa aaaaaatcat gtgaatatgg 120
 taccacaacgc gtgggtctttg aagtgtctcg tgtcgatctc ataaatacac atgtcatgca 180
 tcgcataact atatcctact cattcatcat atatcctcta tgatagattg tcgaagtatt 240
 gacaatcaaa atttttattc ttggaacat ggggccgaac caagtgcagt cttttaagat 300
 aaaggttnta ccaagtcaag gtcaaaaggg aagtagccag cttgcaaaac ttatggaagt 360
 gaatggagct aatgacttac ataatcaaga aattgtgatg 400

<210> 14489
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14489

tacaaaccca agcttgacac tatgaaatng aaaacttgaa accctcaagt ttcattctaa 60
gttgcaactg acacagtaac caagattgca tttttttacc cccttcttcc ttctccagca 120
tcatcaaaca tcacaacaca aacctcaa at gctactacc accaccactt tttcttgctt 180
cctcttcacc ttctcatca ccacttcac catggcttct atgggtggag ctgtgggggt 240
gaactggggc accatggctt ctcaccact tccacccac aagggtggtga agctcttgaa 300
gtccaacagc atcaacaag tcaagctctt tgatgccaac tctgatgttc ttcaggccct 360
ttctggctcc aacattgcta gtactgtggg tgttcccaac actttgctca gaagcttgaa 420
ctcttctaag aaagctgctg atagctgggt ccatgataat g 461

<210> 14490
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14490

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ttatgcactt ctctctcttt cgaatttgct tggaaaaatt gtgtccatga agaaaattca 120
agccgagccg ctccgaaac gtttccgtaa cgtttccgtg aggaatttcg cgaaagtttc 180
gaccgttctt caagattcat cgttcgttct tcgttgctt cagtcttcaa cgggtaagta 240
cctcaaacca agctgttcaa ttcattctat gtacccatgg cgggccacat ttcgcctcat 300
gtattnttat tctccgtntc atttactttg tatactccct gttgacgtgc ttaagccatt 360
tatttaagtc atttctc 377

<210> 14491
<211> 504
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14491

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ttctatacgt acgggggaga agggatttga taaatgtggt tcacccctt aggcactttc 120
tctgcttttt ctgaattcga cttggaaaaa tgttttcccg tgaagaatat ctacagccga 180

agcgctttcg aaacgtttcc gtaacgtatc cgtgaagaat tttgcgaaag ttacaccgct 240
 ctttcaacgt catcatgtcg tcttcatcgt tcttccatct tcaacgggta aagtccttga 300
 accaagcttt tcgattcatt ctattgtccc gtggagggtc acattggggt tctgtgatta 360
 ttattcacga tccatttact gtctataccc ccctttgacg tgcttgagcc attctattta 420
 agtcatttct ggcttaacct aaagaataaa tagaattcca ccgatcggtt gaatctgatt 480
 atgccgtaac ttttgtaaa attn 504

<210> 14492
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14492

atcttggttc atatgattta tatgctccag cttgaggggg agtggttgat atccttgtat 60
 tttatctata ttangtagct ttgttagtaa gcttggttcag aagggcagca gtgagttgtc 120
 actgtcactg cccttctctc tccatcttgt actctatata tatgtctttt ttgaaatgaa 180
 taaagggtgtg agagaaagga gggaatttct ccttcagttt caagtaattt taatatgcac 240
 tccaatgatg gctttcaggg gagagttgat ccttgacagg caatatattc aactgggaaa 300
 gcaaattaaa ttataaaaat atatgtattt ttcacagta tattgaagac tgcaatgggt 360
 gaaaattttg aacaaattct agactgcaat gggtgaaaat tntgaacaaa ttctatcatc 420
 tctgtc 426

<210> 14493
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14493

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 aaagctaagc tcacctcctt gagaagctnt attgagaagc tagagcttag ctacacacac 120
 ccctctaata actaagctca cctccttgag aagcttcctc gagaagctag agcttagcta 180
 cacacacctc tctaatagct aagctcacct ccttgagatg agaagctaga gcttagctac 240

[illegible]

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<223>      unsure at all n locations
<400>      14494
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<210>	14495
<211>	332
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      14495
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$\langle 210 \rangle$	14496
$\langle 211 \rangle$	428

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14496

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ttataaaaca aaaaatcaag tgactgctaa attatgacgg ttgtgaagt tgataattac 120
tagtaaatgg tgcaaaaaat caagtgtagt actaacactt aacaagtaac caatgataat 180
ataataaatg accattgctt gtgtaccctt cttcgtcctt agatgatgat attgtaatca 240
tagcagctcc cgacaccagc gattgctcta tgcgtttcct tgacttctat tccanaacaa 300
ttcttctctt ttcattntta atgttcatca ctttgtgggt cccaacttct gcacggcaac 360
aagtcgggta ttttagtctc tgctcctttt tccctctgaa ttcgggtactc tgccatgcat 420
gaatcata 428

<210> 14497
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14497

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catgtccaca gaaatccata tatgtcaata gagattgtaa agtaataatc atatcacaat 120
atcacatgtt atttgctacg gctacggga aagctcgagc gagcaaactt gcttggtgag 180
taatgctaac tgtttggtga aaacgccccaa gtaattcatt acatttttac atcacttgac 240
aaggagtttc ggaatcaatgt cttttgtttt gcgtgatagc acggatgcag atcaacttgg 300
acactacttc aaaaatcaga acgtgaatga taataaccaa ataaataagt ggataaactt 360
tgcanatgca nggtgttgca aattgcatga agcccaagta ctggacttgg aagtttattg 420
ttcttctttc atc 433

<210> 14498
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14498

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agggatagaa ttacagataaa ggctagatgg atcacaagtt ttagggcatt agaagagctt 120
cttaaagaac ttcaaggctt tcttcttgag taagtcacatca tctgtgcact gaattccatc 180
aatcataaga ctcgtgattt tatttcttct ccttctaata accacttgag tatggaaaaa 240
tttg 244

<210> 14499

<211> 160

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14499

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ggtgagaata agggagaagc ccatgctgtg actgccattc ctatacagcc aagtttccca 120
ccaacccaac aatgtcatta ctcagccaat aacaaatctt 160

<210> 14500

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14500

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taaacttatg gtcgataatg gaacgagatg agaaaagatt ggagtaccgt ttctgctgtt 120
cgtcggaaga aaacactgng gaagaggaca atgaggggtgg aattggtgtt gtggatgcgc 180
tagtggctcc agaacgatga gcccttgaag ccgaagcgga ggcggaagaa ccctttcgtt 240
tcttgacga ttcttccatt ngagggaagt tttgcagatt ntaatcggtg anatcaaaaag 300
aaaaatgaaa aagaagaaga ttgaattta 329

<210> 14501

<211> 387

<212> DNA

<213> Glycine max

<400> 14501

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 ttcttagaga tcatgtgtta aaaggtgact gctacattga gttcatagat agtgagcatt 180
 aacttgcaga ctttttcaact aaaccacttg ctagagatag gttctgtttc attagaaatg 240
 aaataagcat attagatgct tccaacataa aataacttcc tatttgcata atgtgtgatg 300
 cacattgcta tttagagacga tgactaattt attctggagt ctctactcta atcaattacc 360
 aagtagttta atcgattact tctctct 387

<210> 14502

<211> 184

<212> DNA

<213> Glycine max

<400> 14502

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 atattcttca gccgacattg cacaattctt tttagaaaag ctgcgtggtc gataatggtc 120
 tttttacggc agagtaagtt atcttggttt ggtgttgcac acaaaaagta caatgtactt 180
 cagc 184

<210> 14503

<211> 505

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14503

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 ttgcttagaa aaactgtttc cgtgaagaaa atccaagccg aggcgcttnc gtaacgtttc 180
 cgtgagtgat ttgcggaagg gtttcgaccg ttcttcgacg ttcttcattc gttcttcattc 240
 ggtcttcggt cttcaacggg taagtacctc gaaccaagct ttctgattca ttctatgtac 300
 ccgtgggtggg tccacattga ttctgtgttt tttcttctcg gtttcattta ctttccgtac 360
 cccttttgac gtgcgttagc cattttatctt nagtcatttc tcgcttaacc tataaataaa 420

atagatttgc accgatcggt tgaattgtat tatccgtgga acttcggtaa aatgagttcc 480
gaccgttcgg tcgtgccata acccn 505

<210> 14504
<211> 456
<212> DNA
<213> Glycine max

<400> 14504

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gatcaagagt tggcaatcgg atgtgttggc attgaggag gaattggata gagtaagagc 120
ttgatgtgga gctgactctc agacacaaac tactcgaatc tgctgtgtga gctaaaatca 180
atgtggcatt gcaacaatgg aaagggtgaga aatttgtatg ttttgccctca gaaaacatgt 240
actttgaatt cccttccaat gtccctatta aggggtgctt tcttattctg gttataattc 300
caagtgtggg taatcccgtt attagagtca tcaactcactg gtttgatggg tttccatgtg 360
gtaagtgtac tcttaactta tctatggtaa aaaatgagtt aaatatctgt tttatgcata 420
aaaatatctg cactatcttg gaatcatctg attttt 456

<210> 14505
<211> 164
<212> DNA
<213> Glycine max

<400> 14505

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gaaacctctg aatatcaaag agttgagtct aaacttcaag agagaaaact gtgtatcaag 120
agaataggag tgccatggca gaaatttgaa acagcagggtc actg 164

<210> 14506
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14506

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gtatactcac attcggtttt aagaaaatct ttaagatatg attgcattga taaaccattc 120
atgttcaaga taagctatgt aaacaatata cctgagtggc cagcatggat tgttgagatg 180
ctagtacatc attatgcata gggtctatat ntaaattgct gccactacgt tgtgaagttg 240
gtggatctta ctattgttgt tgtcactgac aaaaaatttc tacacatata tgtaagagat 300
gaaatataac ttttgtaaga gtagtggaat atg 333

<210> 14507
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14507

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agaaaattca agccgaggcg cttccgtaac gttttcgtaa cgttntcgtg ggtgatttcg 120
cgaagatttt caaccgttct tcgacgttct tcgttcgttc ttcgggtcttc aaccgataag 180
tttccgaaat ggaacttttc aattcattct atgtaccctt agtgggtcttc atttgtttcg 240
cgtactttta ttttcatttc atttactttc tgtacccctt tttggcgcttc tttagtcatt 300
tacttaagtc attntctcgc ccaatcaaaa ataaaataaa tttccactga tcatttgaat 360
tgtacattcg ttaatttctg taaattgaat ctga 394

<210> 14508
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14508

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gttggcttgt ttagcatagc ttttattttt cctctcaatt tgatctttga ctcttacatg 120
aagcttcttc acatagtcgc cctttgcttg accttcttta tgcttaaaaa cagaaacatt 180
angcataggc aaaagatcaa gaggagttag tgggttagaa ccataaaca cttcaaaatc 240
atcaaaagtg gtagtggtca aaatctgatt tttgcaaac aagatatata gtgactgttt 300
agcatgaaac aacctcttga cctcactttt tgt 333

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<223>      unsure at all n locations
<400>      14509
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<210>	14510
<211>	478
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      14510
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annaacccga	tgtgaaaaca	aagttttatt	tgtttccacg	gagnggacan	gagagacgtg	120
ttgccacttc	tgagagaaca	caaccacctg	aagagtatga	gccacatcgc	acataaaata	180
tctttttgca	tatagttttac	tcccacttgg	gtttgcaatg	atagctgata	tgaggcagtt	240
gaagatttca	tattttttctt	atatgaacaa	attgtctgat	aaacaataga	taatatctgc	300
tactatgtca	tcgttgatct	tactctcccc	tttgttgcat	caaaacaaat	catgaataga	360
gaagacgaaa	tgtgcctctt	gtgtatatag	gaaatagcga	tccaaaagat	tanaccatct	420
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<210>	14511
<211>	167
<212>	DNA
<213>	Glycine max

<400>	14511
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cttagttctg atgtacacct tcaatgtget cgttccctct tctttctgaa aaagaaatca 120

atgatgcaaa catggagaag cctaagaaat aatatcaaaa aacatga

167

<210> 14512
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14512

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aattgaaagc tcgttatgcg acatctgtcg tgaagtagcg accgatattt ttcagccgac 120
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agatttcttg gtttggtggt gcataaaaaa gttacaatgt acttcggcta ggtttttcgt 240
gcgagttcaa ccgacatttt gtttcngcca ggaaaacatt agcccacctc tgcaaaaaaa 300
atatngcta accgtcttca tgcatatntc attcaacgat tgaatagaaa actcaat 357

<210> 14513
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14513

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agacgtgagg gcgcactggc ttagttctat cacaccactg actcgacgag ggacatgaca 120
catgcctgtg tcagtgtccc tgtgatgtcg cgaccaagaa tgatcccact cacttctttg 180
aaactcatac ctcaagatct tgaatgaatt gtggatcaca tatggcaata tccaagtatc 240
ttgccgatat gggcaaccgc ctgagtcac agttactttg gacagaaccg gcacccactg 300
aggacatgca ctagctctaa aaagaaagtc tctctatctc ttcagataat cttgtaggat 360
atncaactat acagcctatt atcatttatt ggacatgaag agtggttata ttaccacatc 420
tctcaatcaa tagcctatcc tactcttcaa gaaaccaga nacaggctgc atcgtgaaca 480
cagctgtggt atcn 494

<210> 14514
<211> 480
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14514

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cccttatatg ttctagaatt cagaangatt gatcctcaaa gcattacaca ctatatattg 120
catacaacaa atatgcaatt tgaccaacct gtataccatc ttggattgaa aaagaagtac 180
cttctggagg ttggacaagc ttccggttat gacgagcggc ctttttcttc ttttaactgtg 240
tcagtatgtc ctccatggag tactctctgt gccaatgtgc aagaagacca aatgtctttg 300
ggccaacctt tttctttcag tctataaatc ctggcacaaa gataattagt attaagccca 360
taaaatagac taaattttct cataatcatt aacatgaaaa gtgtcgcaag atggaccgat 420
tcaccccgtc tttgaataaa gtagaaaaaa tattttcatt atgcttccca aaaacccaan 480

<210> 14515

<211> 251

<212> DNA

<213> Glycine max

<400> 14515

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aagtattaca catgtttcta tttatagcct aggtcactaa ctaaattgatt gggaatttca 120
ttttcatttc atgtgaatct aagaggaata ttccaaggat atgccacagg catcttagca 180
tattccaaga atatgtcaaa ggcattcttag aatattccaa gaatatgtca gaggcattct 240
accatattct c 251

<210> 14516

<211> 324

<212> DNA

<213> Glycine max

<400> 14516

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gctgggttggtg gtagcctata tgcacaacca aaatatctat cttatatcaa cactcatcta 120
tgaagatgaa gtcattgttaa catatgattt cctattctct tgcattatgga cactccccga 180
ctacttccca tagacacatc ttactgatca tttgaacctt tccatattga ctaatgctag 240

aagtatgctt atcatcacta aacattctta ttgcgttgac tatttcaata ttcttctcca 300
tatcttactt attgtgctct gcac 324

<210> 14517
<211> 294
<212> DNA
<213> Glycine max

<400> 14517
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acaaccttgg agaatactaa ggatttgtca aaacttacct tggcataact tgtaaagtct 120
ttgcaagccc aagagcatag aagaagaatg agggctgatg attctgtgga aagagcattg 180
catgctaaat taaaaattaa cactgagag aacagcatgt ggaagaaata caagaagaag 240
aatttcaaca tacaagaagc agcggctaac actagcacca aaagtggaga taac 294

<210> 14518
<211> 189
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14518
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agctctcgag aaattcaaatt ggtcataact tatcacacgg aagtccgatt caggagcata 120
atatatcgag aagcttgaaa ttgaacaaca gaagctctcg agaaattcan atggtcataa 180
cttgtcaca 189

<210> 14519
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14519
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gatggaactc tntgccgata ttgccccaaa aaccgccgag aatttcaggt atctatgctt 120
ctagtgttaa agcgtttctt cttttagtgc tagttagagt gccccttggc tttaagcatt 180

gctatcaact tgtgattgaa cttctacgaa aaatcactan ttnttgtttt agtctacaga 240
agtttactca ttttaattgc aaaagtgcag attta 275

<210> 14520
<211> 275
<212> DNA
<213> Glycine max

<400> 14520
acttatctcc gactgaagac cgcattgtttt tgtttgccc aagtttattg cgggctgtag 60
caccggttcc gcttccttag ctgtattgga ggcggccacc gtggcattat cttctatagt 120
tctctgaagc tctagcatgg cctccgtgat agaagccatt tgatcttcta atgccgatag 180
gttggccttc atctgttctt gcactccctc ttcattatcc atttttctgg atcaagtgtt 240
atatgggtgc ctttgctct cttattatgg agagt 275

<210> 14521
<211> 159
<212> DNA
<213> Glycine max

<400> 14521
gggctacgtg ggagtacgtg agctcagttg gatgtgggca acaagggatg gtgggtttat 60
gcgcgatttg tggatgtgga aaacttggtg tgcaccatcg cccgaccgcc acctagtacc 120
acatgtgatg ggtaccccat aatcctacaa gcttgagat 159

<210> 14522
<211> 350
<212> DNA
<213> Glycine max

<400> 14522
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ttacttggtc ttgatttaag cagcaataaa ttgtcaagga agattcctat gtccatgggc 120
gcccttggtt atatggaagc cttgggtttt aaaaacaatg gtttaatggg tgagttgcct 180
tcttctttga agaattgcag cacgttattt atgctggacc tgagtgaata tattgtagcc 240
cggccaatac catcattgat aggacaacgt ctgcagcaat tgataatctt tgacatgcga 300

ggaaatcacc tttcatgata tatacccatt catctttgta tttgaaccga 350

<210> 14523
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14523

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ttcctcacta acagtggcta gtgctattat ctcaaattcc atagcggact gaggtaagat 120
agtcttggtc ttgactttc caagaaacaa gcccaaccaa ctatgcctaa atatataggt 180
tgctggtntg cctttggaat caatctgaaa gagtggtcca atctgcatca ttgtatcctt 240
caagtacaac gggaaacctt ttataatgta atccaagggt tatgggttctt ttaaggtacc 300
tcattaccct ttcaatagcg tgtcagtgct ccatactang tctacttgggt aacctgcata 360
ataatcctac cacatagggt atggcggatc tagtacaatc agtggcatac ctatggctgt 420
caatgatact tgtgtactca gtttggtoga tacccttcac cagtgtctta aaccagggtta 480
cacttgaat catatgg 497

<210> 14524
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14524

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aggaggggaag tgatatttgc agctaataa ccccttttta tctatttgtc cttagatnaa 120
ctgtttcttt tcttatatgn aaatataaat aatataaggc tatgccataa agacacagtc 180
atcttttacc ctaacanatc ttagaagtaa atatagacca tgttttttacg gaataccctt 240
taciaagata gtggaaatct caagtgggtt gcttgagtac tggacgtang cacgggttgt 300
ggccgaacca atataaaact gtgtttgcat tcctcttccc tatctcatta tgttatgcaa 360
tcattttgcc ttgcttggtta tagaacatat tataatgatt ggtgtgggtc tctgcatcta 420
agctatccct ctaaaatatt ggattccact atctgtgtaa atcatacaaa gttgaccacc 480

aggacaccct n

491

<210> 14525
<211> 251
<212> DNA
<213> Glycine max

<400> 14525

tctgtacctg tgcgaagggt ctgtggtttg agtcctctg tggaccacca tacagacctt 60
tgcgcttcca tgcagcaagc tagagcaatt gatcggcctg aagcttatgc tgcagatata 120
tacgatagac ctctcacct gggagcaaatt aaaccacagc atgacaatta tgacctctgc 180
agcggcagat ataaccctgg atggaagaga tagcctaacc ttacatgggt catccctcaa 240
caacaacaac a 251

<210> 14526
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14526

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actcccagat tggttgaaat cagtaaagca attactgttt cttgatttaa gcagcaataa 120
attgtcaggg aagattccta tgtccatggg cgcccttggt aatatggaag ccttggtttt 180
aagaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaatgcag cagtttatatt 240
atgctggacc tgagtgaata tatgttgtcn ggtccaatac catcatggat tggacanagt 300
atgcagcaat tgataatctt gaacatgcga ggaaatcacc tctcangata tctaccatt 360
catctcntgt attt 374

<210> 14527
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14527

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aagccactca agtaatgaca gtggaagaag ggtctcanag ctgaaccttg accatctacc 120
aatctagctt ggacagaana tttgacatag atcgatgaga cgacacctcc aataatgctt 180
gaaaccatt taagagcttg tccaactgta actcggacca aaattggggc agtgcacgcg 240
gcttagcang gacctcacca ttcattgagca ttgacgcatt gccgatgtgc tatgcagaaa 300
tgcggtatcta tttacctgac aaacatctga catgc 335

<210> 14528
<211> 216
<212> DNA
<213> Glycine max

<400> 14528

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tcataagcaa aggctatagg acgagtacac caaggatatca atcctacaag cagaaaaggga 120
agcaagggaaggagggtgatcg attcattgca cagagaagca atgatgtgga tggacagggtt 180
cacctttact ttgaatggga gtcaagagct tccccg 216

<210> 14529
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14529

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gaggaagggtt tttttctcta aagtactata gagaagggtat gtaccaaacc taactgtgac 120
ctataacact tatgatgggtt tttataattg acagaaatta acctaacctg ttttaattat 180
ggacaattta tctaaatata gccaaagggtt attatataaa cactattcat acccgttctg 240
aattgagagg agtggattaa ctgtctgaat gtgcatctga gactcatgat atataaaatg 300
ttttataact cttccaccta ttatgagctg ggctaagtagc cttaaataagg gaaataactct 360
tcgaaacccc taaattgttg gaaatgggct ttctggaagg cg 402

<210> 14530
<211> 488
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14530

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tgGCCaaaga ctatgaaacc cgaagaagag gtgacatctt ctaactatga tttatctatt 180
tcttttgatg aacttcaaga tgcattccat gatnngcata aagaatctat caaacttgcc 240
aaattagttt catttctaag ataaccggtt canatttaga aaaagaaatt ttgaaattaa 300
atgtagagtt agaaaatctt caatctcgag ttaaaacatt aaaatcaata gataaaaacc 360
aaccttctac aaaatgctta atacaagaaa acaatgaagc atctcattca tgtgaatgcg 420
ctgtataaat tnanagaaga aantgtnnat ttaaaaaatg ctcttgcaaa tttactcttt 480
gtaaaaan 488

<210> 14531

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14531

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tgagaaattg gttgttctaa attcatgcc a tgatcacata tntatagcca tttgatggct 120
cctgaagann ncntgttaaa agttgtgact tttggcaatt tcttcaaaac caatctatta 180
ctttaaaag gtgggacttg acaattatct caaaaccagn caccttaaaa gttgtgactc 240
ttgacaattt cttcaaaaca ctactggt 269

<210> 14532

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14532

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tcacactgaa ggcgaataca cacgtagtga tcatgagcta caccatgaac agatcatcat 120

tctatcggga aaaatccaag tctcacattg tctagagatg aaactaaaac taaacttate 180
 agtgcgggaa aaccctcacc ctatgagctt gccttagggc ttagttatgc cccaactaga 240
 caaccctaataat ggac 254

<210> 14533
 <211> 170
 <212> DNA
 <213> Glycine max

<400> 14533
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 cacttatcgc ttgcacacat ccctttccca ctgcgtatac gaagagcccc accgacgcct 120
 tccacagtgc cacctgatgg caaggccctg agcggatttc tactaccatc 170

<210> 14534
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14534
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 gcctgggttc tatttgcacc ccctgtttac taaatacacc ccctgccatt tttgctgatt 120
 ctttttctgt aatgttatgg aactttacga attccgtaac gatacttggt ttctttccgt 180
 aatgttacgg aaccttacgg attatgtaat catccccctt ttggctttcg gcatgtcaca 240
 gaacttcacg gattgcctaa cgatgggtgc caagtacctc gaagcagtca agcaaagggt 300
 gcatgccatc aaacaatggt ccccgatga aatanggtat gacagttgcc cctctttact 360
 taccttttat cggagatagg angaaagcaa agttaaacac tgattcggtc gtttacctct 420
 ttcgaatcat ctat 434

<210> 14535
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 14535

acacttatgt tcataaaaac atagtgatct tagcattcac aatcacttat gacaccaatc 60
 taagcatgat aaaagttaaa ataaactatg agcacacatg tgtaacaccc tggcaaataa 120
 ttacaactca tattggtaga ggacactttg cgttatatca tctcgacatg tgtgtactta 180
 atggcagaga atatat 196

<210> 14536
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14536

ngggtgtcaa gctangagga cncacncntn ngntannaaa cnnggcgccc catcnccgac 60
 ggaagacaga ggagcagnag antttgccnt tctcnagagc gcgcctgcac acgcggggtct 120
 gcttccttaa ctgtattgga cgcagccacc gaggcataat cttctatagt ttggtgaagc 180
 tcaagcatgg gctccgtgat aaaagccatt cgatctttgt aggccgaccg gtatgcctac 240
 aactgttctt gcactgctct tcgttataca tttgcctgga acaagtata taagggagcc 300
 ctttcgactc acttagggat cgagagtccc ctaagcaacc accaatggtg agtatgccac 360
 acaaacatga atctcgcgaa gaatgagcga agccttcgga tccactcacg gcacttttat 420
 agagaagagg acgaaggcta aaacctatcg ttgattaaag agaacaagct tttttcaacc 480
 aagacataaa at 492

<210> 14537
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 14537

atgcatgcac ctatgtggca ctcaagtgtca aattttatgg tcatgtgatg ctaaggctca 60
 agattcattt cctctatttt aaatcaaccc aatgtttcca aaatatgttc ttttatccat 120
 ttgtgcattc atccgaatcc atttcgggagc ttccgggataa ttttcacaac ggtcaccctt 180
 caagtgtata cacacttttt tcttcaaaat tggttatgaa ttttttcaaa gaaaagttgg 240
 aagtcatctc ttttcaaaag catgttggtt ttt 273

<210> 14538
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14538

ctcctctaata gactatggca tcatttctgg cgctaaactg ttgggagttg gaagccatct 60
 tctcaattaa atntctgggt tcagcaggag tcatgtctcc aaagggtcca ccaactggcaa 120
 catctatcat acttctctcc atattactga gtccttcata aaaatattgg agaagaggct 180
 attctgaaat ctgatggtgg gggcaactgg cacataattt cttaaattct tcccagtact 240
 catacaggct ctctccactg agttgtctaa tacctgagat atccttcccg atggttgtgg 300
 tccctgaagc aagaaatttt ttttctaaga atactctctt aaggtcattc caactcgtga 360
 t 361

<210> 14539
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14539

gataaaaggg atgccccaca ttatttccat gacacaaatg caaaaatgat gatttggaaa 60
 ttttatgcaa aactgggttat gcatgcacct atgcggacgc tcaagtgtnc aaatttatgg 120
 tcatgtgatg ctagggtca agattcattt cctctatttt aaatcaaccc aatgtttcca 180
 aaatatgttc ttttatcgat ttgtgcattc ctccaagtcc acttcggggcg tccggggaaa 240
 ttttcacagc attcaccctt cagatgtaga cacttttttt tttccaaaaa ctagctatga 300

<210> 14540
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 14540

aagtaacaag ttggcaaaga agcaaaccga atcgacaagc aaagtacata aattctgtag 60
 aagcgagctt catgatgaat caagattgat tcaaagaagt tctgatgata acaaagctga 120
 tgacaaaaag ctcaaagggtc aagaacactt catgataaca aagatgatga tctccagaat 180

caaagaatga gttcaagatt gaatcaagaa cacttcaagg ttcaagagga aatttgattt 240
 caagaatcaa gaatcaagtt tcaagattca agt. 273

<210> 14541
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 14541

ctccatgaga ggcgggatca catggagaat atatatcata atgaagaaga aaggaggaga 60
 agagggaatg atcgtgttcc tatacaaaac cgaattgatg gtattaaact caacattcct 120
 ccatttatag gaaagaatga tccggaggcc tacttggagt gtgagatgaa aatagagcat 180
 gtcttctcat gcaacaacta tgatgaggac cacaatgtga agcttgccgc cacggagatt 240
 tcccactata ctcttgtgtg gggaaca 267

<210> 14542
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14542

tataaggaaa ttgacggtta tcttctaaaa agaaggtttt aagaagagtg aaaatgaagt 60
 cactttgtat gtgaagtgat aaaaaaatga agtgcaactc attggttctt tatatgttga 120
 tgatttattn tttatatata gggatatcaa ttccttaaac caaatcaaga atgatatata 180
 tgaagaaatt tgaaattata gatttggcaa aaatgaaatt tggaatggag aatctcacta 240
 ctagaaaatg gcgttntacg acacagacac tacgacgatt atgggggaac cgccttaaaa 300
 agatgtgcgg tggctttttg taattatttg acaatattag gatttacgat ttaaatta 358

<210> 14543
 <211> 217
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14543

tatgtggcag ggcgggctta cttcaccttc ttgtttcttc tcgaactttg accattgttc 60

ttccttcccg cgatgcttct tttcatgtct gcctgagtgg gcttatagcc tanaccatac 120
 ttcccacgat taccttgngt atttatcagt ctagttatgc cgccgttggt ttttcctaaa 180
 cccatcccg gctcataacc gttccccaac ataactc 217

<210> 14544
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14544

atcttcttca tcaatggagt ccgttgcttt ttgtatatca atgacagtgg aatgcagaag 60
 gaggaagggt gattggagat gccacttcaa ggagaagaga gtcaagaaca agttcaccac 120
 cataggaagc catggataag agcttgaagg ttggagaaga tgagtggagg gagagggaga 180
 gaatgggcac gaaatttatg cctcgaatga ggtctaaaat ttgaagtgtata atttctcana 240
 tgatcaaagt agaaataatg cacacaacag gcctctatatt atagcctaag tgtcacatga 300
 aattggaggg aaatttgaat tttattcaaa tttcacttga atttaaattt gtggagctaa 360
 atttggagcc taaagttcac taattatgaa tagtgaaatt tancatggt t 411

<210> 14545
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 14545

agatggacca tttcaagtgc ttgaaagaat tatgacaatt cttacaaagt aagctacccg 60
 gtgagtataa tgtagttcc acctttcatg tctctaactt atctcttttt gatgcagatg 120
 gagaatccga tttgggacca atcctttctca agagggagag aatgatgacg aaatgaccaa 180
 gagcaagggc aaggatccac ttgaaagact tggacgacct atgacaaggg ttagagcaag 240
 gaaagccaag gaagctcttc aacaagtgtt ggccatacta tttgaata 288

<210> 14546
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 14546
 attctacatc gatgagatcg atgcaaagac tatcactcgc agctagtcgt tcaactcacia 60
 tgtaagatca tactctcacc gcgtctggaa caagctgttc tttctcaata aatgtgtcta 120
 ttgactaacc attctaattg cagacttaca tacttgctct ttctttgtgc aacacacata 180
 cttgctcaga ctcatgaaga gaaacataga ctgcatcata atcatg 226

<210> 14547
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14547

cccaaacacc ttgaccacga atctcttctc ttaatgcttt gttccaatcc tcgacctcaa 60
 agcaatattt atatgttaat tctttttgtg gaccttgggc tcataactta agaggatggc 120
 ttagangcag aagaagcaca atcaattaat agtgtcttta aataagatag ggaagagaga 180
 atgctataca gtttatactg ttcgacacaa cccgtgccta ctcagtacta agcaccatt 240
 gagattttat attttgaaaa atcattacaa ctctgaccac acagacaacc atccttggtc 300
 aagaatctac actc 314

<210> 14548
 <211> 146
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14548

tcaaagtctg acaagagtat gatgaactaa gggacgtcca tatggccacc gctgaagcct 60
 tggaacgaga aaccaagaag gcccgaaagg aagaacacgt gccagcaaag ttntgagggg 120
 ctttatacgg cagcaatagt aagctc 146

<210> 14549
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 14549

cagactcctc agccatctcc accatctgaa cctgctcctg acgagactca accatcatca 180
gcactggatc ttaatgaaga ccagccacag gaggagcann gacgtttaat tttttttttt 240
gcattatgaa cacttttagtt ttatttcagt tatttttatgc tttatgtcat ttaaatntca 300
gcttttatat ttcagtaaca tagttgtttg tttgcttgaa caaaaagctt gatngaacag 360
tgaattgatt gacattgcat g 381

<210> 14553
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14553

ctctcttggt caaaagattt tggacatggt ctatgggtctt canacctttg ttggtgaaag 60
gtttgatact ttgtagttac aagtggacat gtgattcaat gagatggagt caacgatcat 120
caagggtgaa gaagatgttt cttacattcg tacaagcttt gatctaccac caccaccgcc 180
accatcatct taggtgtcta ttatgtntaa taatattagt actttgaatt ctaaccgggg 240
atttggttat attattatga cagttgaaca atttaataatt tcttttatatt gcatagtatg 300
attgaacaat tatgaattat gttatatgac tatgaggggt ttatatat 348

<210> 14554
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14554

ttctagccaa atggacttac cttgaattaa ttctttttat tttctttttg agccttggtt 60
ccctttcctt gttttgaagc tcgctacaag ccttaagtga aaaaccatga tattaccata 120
tccttaaaga attttggagc tttggaattg ttttgggaat aagtgtcggg ggtttttggt 180
tcattggaca acttgttttg ttggctatgc ttcattgatgt attttgggcc atacttgatg 240
tacattgtat attgggttaa tggttgacat gctgaatgaa atgttggttc tcaaaggcta 300
aagagtcaaa aaaaattcga aaaaagaaaa agaaaagcaa taaagttgag tgaataagat 360
cttaaatggc acaagaatga tgaaactctt nggtctactc ttcatt 405

<210> 14555
 <211> 494
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14555

 nnnnnntttcc cgggttcagn acgtacngnc nnntcactat agaaacccca agcttgctta 60
 aggcgtagga ccttataacg agtttttagtt attttttgct gacanagctt gatttgcgag 120
 tggattctag ctctagtttc acttacgtaa ttagtcaatt cattcaacga aacttccaaa 180
 gacaaacgtc cgattgattt ttgcatatt tattcaaaga attgtgatta atttatatta 240
 tctttaagaa attngattat ggtatattat ttatggaaaa gtacgaaagc ttgcggaagc 300
 atatatgact tcattntctt tcttttactc ttccctttca gcactatcaa gtgatatatg 360
 cttaccaaac gttntcngan natntacgga aacattacgg aagtcccgga agcccagaaa 420
 gccatttttc acaaaaacatg ggacgaggtg ctgcgcagtc gcccaaaaag ctaagttggt 480
 tcaccttaac aagg 494

<210> 14556
 <211> 363
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14556

 agctaccttg gnttatactc tgcccagcct tcgttaaccg ttggatcttc tcaaaacttg 60
 gtttgctact ttaaaagaca cttgtccatg atctgacagt tgggatcttt gagaagatgt 120
 ttggagtctt agaagcttcc gttcccgaga gcattcttta tttaaactt tagcctttg 180
 ctttcgtgta gttgaggaaa aacgtcattt cttcttcttt ctttcttcca aagccatttc 240
 taaagttccg agaactttct ccatcacaca cagcctccat tagccaccac aaaccatcat 300
 tgttctccat tgaaaaccca caccgagagg aacccttcaa ccgaagcgga atcttccaac 360
 ttg 363

<210> 14557
 <211> 392
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14557

agcttagtct tgttcaacct accatcctta gactgatggc caaactgaat ggaccattca 60
gttggtggag gatcttttga gagcgtgtgt cttagagcaa aagggaagtt gggagagttt 120
tctgccattg atagagttca cttataacaa tagttttcac tctacgattg gcatggctcc 180
ctatgaagct ctgtatggta gaagggtgtg gacacctgtc ataccctaatt ttcgttcggg 240
gaccagctgt ttgttgggat ggcacctcg tttgaccact tcgaggtact tggcacccat 300
cgttaggcaa ttcgtgaagt tctgtgacat gccggaagtc aaaagatagc atntgtgcac 360
aattcgtgaa gttccgtgat gtgccggaag tc 392

<210> 14558

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14558

agcttctatc cttatagact taccttgact taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120
atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg ggggtttttg 180
tttcattgga taacatgttt tgttggccat gcttcatgat atattttgag ccatacttga 240
tgtacattgc atattgggta aatgttggac atgctgaata tgatgttggt tctcaaaggc 300
tacagaaaaa aaaattataa aaaaaaaatc gaaaaagaaa aagaaaagca gtaaagtga 360
gtgaataaga tcttanatga canaagaatg atgagactca tggttctact ctttat 416

<210> 14559

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14559

agctggngtg ggtataggca aaagcatcgg cggatcaagg agaatgggct tctttcacgg 60
atgtcttggc atcattgata ttcggagtca tcctttttcc agatgtggat gggctagtat 120

acctagcggc gatggatgcc ttccttgctt atcaccatag caaggaaagt cccatcgctg 180
ctatgttggc tgctgtctat gacacgttcg accgaagatg cgaatagagc aacgcgataa 240
ttgtctgtgg aacacctgct ctctatgtgt ggctagcctc acacctctat tgccatgaaa 300
gtaaacctat ctgtcccctg caaggtcacc gcatttgccg cg 342

<210> 14560
<211> 344
<212> DNA
<213> Glycine max

<400> 14560

gtatgaaatc cactcgacaa ggtttgaagt agaagagaac cttcatccta taacgcaacg 60
tgggcggacaa aaatgggtag ttaacttgaa tgaccattat tgtcaatgcg gaaggatttc 120
tgcgcttcac tatccatgtt cacacattat tgcagcttgt ggttacgtga tcatgaacta 180
ctaccaatat atagatattg ttacaccaa tgaacacatc ttataagcat actccgcaca 240
gtggtggcct cttgggaatg aagcggcaat tccttcttct gatgtggcat ggacactaat 300
ccctgaccca actacaattc gtgcgaaagg tcggccaaaa tcaa 344

<210> 14561
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14561

agggannatn nnnncttttg ttcgtacacg tcgagttcga gctcagcccg cggcgatgcg 60
atacagtcga gctgaccgcg tggcaggcaa gcttgctttt aatctgccct acctgaacga 120
aggagtggat atttacctta ttgatttagc tccacatcta aactagcgc aaggataaaa 180
gctaattgggg gtccctggaga tgtctatacc ctccaggagag ggcgcactta acaatatttg 240
tcactctaac acattttaact ctacatatga ataattgtag agcataaggt ggaggactac 300
tgtcttactg tgattaacat ctgtgaccga cgggtagagt gatcaaact catagccat 360
tacgagcact aggatccaag acttgctgaa gaccagactg tgagacgcgc acccgagaa 420
agaattcacg catttgaaag tccgtgagac cagaatctaa acgactgtaa tgtctattag 480

gaagaan

487

<210> 14562
<211> 167
<212> DNA
<213> Glycine max

<400> 14562

agcttcattc gcacattctc tctcgtaaga cgaggcgcag actaaacagc attattgtaa 60
caacataaga aaaaccaaga ctgagtgcgc agatccctct tgtaagacta aagagcgatc 120
ctacttcgat caagttcgaa tgcaacagta catttcccaa tgctaaa 167

<210> 14563
<211> 253
<212> DNA
<213> Glycine max

<400> 14563

agcgtgcctt ccagctcacc caggcgagca acggggcttc ctccataagc aacagccttc 60
tggaggaatc ttctggaggg cccaagtggg cctgggttgc atttgcaccc cttgtatac 120
taaatgcact cctcctttc tatttatattg taattctttt tccgtaacgt tacgaaactt 180
tacgaatttc tgaacgataa ttattttcct tccgcaagga tacgaatcct tacggattat 240
gtatttactc ttt 253

<210> 14564
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14564

agcttttata gtgatgtttg tannngancn ccnactcaca agcaaaagag acatagagga 60
acgaagacaa ataaaagaaa gaaataagga atagagggag gctcttgac gtttatatcc 120
acctctttt tattaaatag ttttgttgtt tacaccagc tctctaaac acctccctt 180
ctatatccaa agtttacaaa taaagtccaa cactttcaca acctacactt taagccctac 240
aactntatgg aaactatcaa caatactatg gcgattaata aancataacg attgttatta 300
aaattttcat a 311

<210> 14565
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14565

agttttctttg ttatatcttc gatcggacat ctgccaggc cgaggtcgac cgtcattatt 60
 ttcgatccat tacggngaatt aatatttttt tgccgagatg ggctaattgta ttcttgccg 120
 aataaatggg aaaatgccag tgtcggccga aacgaaaagt cggctgagct cgcacaaaaa 180
 aacctagccg acctacattt taaatttttc atgcaacccc aaaacaagaa aacttcctgt 240
 gccgtataaa aaaaaaaaaa acattacatg acagc 275

<210> 14566
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14566

nacgtttgtt tcttgacttg anacnagnac nggaggtcag cgacgcaggg gcgggagagt 60
 ttgttttcna ttctctcagg gaccagcggg cgatgaggtg cagtgtcnca cactctatac 120
 tccatgtata atggtctcat gatcgcgtct ccatcgcat ccaagtaagc aactggcttg 180
 agtcgggta gtttttcgaa tcattatcct tacggtagat aattgataga caatttttca 240
 catatctggt cacatcgccg tcttaggtcg aggttgaaca ctagggcggc gcgcgattaa 300
 ggaccccatg gggcatgcct gtagacggaa acccctttac tggtaatac taagaacgac 360
 tggccaccgc cttgctagtg gtcagccact gcaagtgtaa ttctggagac gctcgaccgg 420
 ccttcagcgg tccg 434

<210> 14567
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14567

nggaagttag tttcattgat gctctttgna nanacnennn gaacccgagg ancgnaacaca 60
 gggaacccgc agagagcgac cgcgaagcgt gctttttttna ttcgcaangg acngaccagg 120
 gagcgagcgc ggaagaaacc gaacngacca ggaaaccacg aaacggcang gaggcaacaa 180
 gaggccaaagg gngaaacacc gcggnaccac canagcgccg aagaaggagg gagcgacgag 240
 aaagcgcagg gaaaagagag ggggggacgc aangaccaag agagacgaag aacgacggcc 300
 aggcacaaca aaaggcgccg gaccagacgc agagacacga ggaaagggga aaaagccggc 360
 cacgcccggca gagggagnng ccaaaggcga cgaggcgacc caccacaaca aagaccacc 420
 cccgcacaac aacagagcaa ccgcaccgng ccgaaaggac agaaaccccc gcaaggcgca 480
 gcccggn 487

<210> 14568
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14568

agctttttatc tcttgtgctt gtgcctacat tngttctttt gtgcattttt ctgcctgtgc 60
 ttttaagttat cttctgcac ctttttgctc tcctcttgca tttccatcac aatccaagta 120
 agcttcttgc tttattttca ttttcttttc gaaacttaaa ccttagggta gataatttat 180
 tgcttttttag tttacatttc tgttttagctt tagtgttttt aggttttaggg ttcacaatat 240
 agggtttagg taagatttta gagccccata agggcaatgc ctgtaagagg gagaagcccc 300
 tcatttctgc tagaaatcgc gatgaacgtg ctaagcacac cagctatgct tagttgggtc 360
 atcgcaactg acanaatttt agatttctcg atgatcgc 398

<210> 14569
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 14569

cgctgaacaa aacatacatg gaactggtgt aggtattaat gtctacatga gtctgaaagc 60
 agcacatcat caaaacaaca ttctgctcgc tctgaaagaa agacatatgg acctgatgaa 120
 acgtgaaaac aaacatgcta ttagattgtt gattcaatca caccataatt tacaacttgg 180

tttatttttt aggagagaag agtaacgtaa aaaaaaagaa gaagttaatg aacctgagat 240
 tttcctttga cagcagtggc tatgatggag aggccttgca gccattcctc acggttgaag 300
 tgtccatctg caaagaagcc attcccatca tt 332

<210> 14570
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14570

agctngtggtg ttatttgtgt ttgcaagtaa atgatgaatg agcgagcgca tagcacaatg 60
 aatntaagat gaaacgacgt agttggcagt gaggcaggag gagtttatgg ttttagcatt 120
 gttgttcttg agttgtgttg aatctggaga gagagatgaa taattgtata gcaaagagac 180
 gtgagaatgc gaggagcagt agagaggaag atcaactgat agtgactcca ttaggcgctg 240
 gaaatgaagt tgagtcttgt tgcattgtgg aatacacccg gcttactctg gcatggctgc 300
 tttgccctat ttcgacgaga ttgacccttc catagtcaat gttcttctca tcaactcactt 360
 tcaactggat catgctgctt ccttgcccta ttttctc 397

<210> 14571
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14571

agcttcattt attttacata tttcttcacc aaaaaaaatc tttaccataa aaaagtaact 60
 tatttgatta attaataaat ttcaaattt aaatcaaaaa atacaaaaca aaaaagttgt 120
 taataatttt ttcgaaagca tgccacattt ttatttaatg tttttaaaga accccccttg 180
 gtactagtac tgcttcacct tggcttttcc tcggaaataa taggaaaata tttggttaaa 240
 ttggtttttt tcttctcaaa tttgatcttt tattataaaa aaacgtagac aaaaaagtta 300
 aaataagctn tgtttcattt aataactaaaa tatttatgac atanaaatat ataattattat 360
 ntaattattca aaaaatgaat atgtnatta aaaatggata tcatgattac aaaga 415

<210> 14572
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14572

agctnagatt cttctattac ttccatacat nggctntgaa caccatgagg aaattcgcac 60
 aanacactga attggtgaga cacaaagtta caagatttgc taccactttc ttaactntgc 120
 aaagattgca taagcaaaaag gccaatctta gaaggatgtt tacttcggat gaatgggtga 180
 agtctaagga agctaaagag tctaagggga agcaagcaac aaatgttggt cttatgccat 240
 cattttggaa tgatgttggtc tacattttta aggctatang gcctcttgta agtgtgttga 300
 ggttggtgga ataatgaaaa aacctgcaat gggtttcatt tatgaagcaa tgga 354

<210> 14573
 <211> 224
 <212> DNA
 <213> Glycine max

<400> 14573

cgaccgcga ggcaggcaag cttggttatt cagcgactaa accccaacga gcgccgggca 60
 gtgatggaaa tcttgacacc cacctgcgaa cagattgtcg aggggaacac accagacggg 120
 ccaaactgga aaccacaagc cacagtgcct gatgatggct gccgacacat tcaaccaacg 180
 gcccgtagacc acgaggattc tcacggacct cgatatgtca caag 224

<210> 14574
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 14574

agctttattc tcattgtctc tcacagtctt tagattttgg gagccaatcc aatccttggt 60
 ttctggactct cagccactta tgatagccgc cgatgatccc attactgctt cccctaagct 120
 ctctgtcctt tcttcacgtc gcatcccatg ccttgcgaa tccttgaggt accctcgcgt 180
 tgtggtcact gaaaccccggt gtgatgaaag gtgtgatgct tttgtctgat ggcactcctc 240
 tcatggggta gccaaagtgggt cttatggcga ggacgggatt ataattaata caacccttg 300

ttcccatcaa gggaacattt ggacatcctt cgcatagaaga tagaatcctg attcttcctt 360
ccttctagcg agggaaccaa ttaacagatg ctccttct 398

<210> 14575
<211> 335
<212> DNA
<213> Glycine max

<400> 14575

gtgcaagcga cattttatatt tatctttttt cttcaccaaa aaagagctgg accataaaga 60
agtaactcat tcgactaatt aacaagctcc aaacatgaga gcagacagct acacaccgaa 120
aaagctgtta ctaatctttt cgaaagcatg ccacattttt atagaatgtt ctgaaagaac 180
cccccttggg actagaactg ctacaccttg gcttttcttc ggaaatcaga ggaaaatatt 240
cgggttaaatt ggttcttttc ttctcagata cgatctttta ctatgaacag gcgtagacaa 300
aaaagttaaa tgcagctttg tttcatttaa tacta 335

<210> 14576
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14576

agcttcggtt attgttcggg actgcgngag caagcacctc tactcctccg ccattcttctt 60
cgccgacaaa gtggcagcct tcaccgccga cccgcgagac atctacatgc aggcccaggc 120
cctcttcttc ggccgccact accgtcgcgc cttccacctg ctcaacgcat ccaaaatcgt 180
cctcaccgac ctccgattcc gctacctgc cgccaagtgc ctcgatttct tctggttcct 240
tctctctttt ttcatttgat tattgattaa aaccattcat tgaaaataca catcaattct 300
aataatggga tgtctttttc tatttttatt tanacgagtt gaaacgtgat tcttgaatga 360
attcagatag tatgagttac aacttata 388

<210> 14577
<211> 297
<212> DNA
<213> Glycine max

<400> 14577

aatgagagga acatgaaaga taaattatac cttaagtaac attgtgatac tttctaatat 60
 taagaactta aatgacaaca aaatacattc tgaagatcaa gatgatgatg ataaaagaac 120
 attgcatagc ataagaaaaa cactctaaga gtgtgtatga tttatatgag agaggtagaa 180
 gacattcaaa aaatataatt ttgtattaaa ataatatgta agaaacatga atttgacatg 240
 ataaaatata gaatgtctct gttatttagt tattggcgaa acaaacacac ccgaagt 297

<210> 14578
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14578

nnnattcgtg ggctttcgtt tgatncnntg aanaaacnng naacnnggagc tgggaccagg 60
 gagccgaaga gaggacaccg aggcttgctt tctgtttctg acaanccnca agagcgggac 120
 agcgcgtgaa caacatacgt gcgcaccact caaccagtat atgaggcgctc ggcgaccgag 180
 cccaacaaag cacgctcgaa acctactgga catgcgacac cccgcagccc gtgcctggcg 240
 agcgccacag agcaccctaaa ccttgaggac acagaaacac cagggtgagga gcagggggac 300
 gcaatagacc gatggcgcg ctaacaccga gtagcctagt gtgcttaagg cgcggaacagg 360
 acaagaacca atacgtgcac tcggggccacc aaaggaacat aaggacagcc tacacatgac 420
 gatagaatgc ggattcgctc ctccatcgag cgacggaacc aaataacaga tgctccttaa 480
 atggctagac tagagtcaga cccacaatcg 510

<210> 14579
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14579

atcttattct acgcttagnn ctcaaagaac tacgtaggtc tgatttcctt atcacaattg 60
 acgaatacgt atgagcaagg gaaacaccct tgtcgacccc aaaaaagata aaaaaaatgt 120
 aaaaaagcac aaaaagacat aaagacgtaa aagggaacat aaaacaaatt gaagtcatat 180
 ttgcacactt gattaaaggt tgtcgctcct tgtgacggac gcgtgggggtg ctaatacctt 240

ccctgtgcgt aagtataact cccggacctt tcaacttaaatt tntgtagacc acacctttcc 300
agtttt 306

<210> 14580
<211> 431
<212> DNA
<213> Glycine max
<400> 14580

agcttctttg ttatacctcg atcgggtcatc tttccaggcc gaggtcgacc gtcatttttt 60
tcgatccatt tcggtgaata atattttttt gccgagatgg gctaattgttt tcctggccga 120
ataaatggga aaatgccagt ttcggccgaa acgaaaagtc ggttgagctc gcacaaaaaa 180
acctagccga cctacatttt aaatttttca tgcaacccca aaacaagaaa acttctctgtg 240
ccgtaaaaaa aaaaaaaaaa cattacatga cagcgagcgt tttgaaaaac aaaattgcgc 300
aacgtcggct gaaaaatata agtcggggct tcttcacgac cgatgtcggc tattgagttt 360
tcaattcaat ccgtgaacga aatttgcata atgtcgggta ggaaatgttc gatcggcacc 420
atcctgtgaa g 431

<210> 14581
<211> 408
<212> DNA
<213> Glycine max
<400> 14581

agctatagtt atatacttac taatcatagc tacaaccttc cgattaagga gctcccatc 60
gttgtctttc ttccctttca tcttattctt atgggtgatt gactcgtgca aatccttgca 120
gtacagatga ttttccatca ttgacttcca ataggagtaa ctttttgcaa ttagcttgaa 180
aatatctgca tcatgagtga tagctccctc catcttgaat cacacaggat aatagctccc 240
cccaaatcaa gcaagctctg ataccactat tgggaaacac tagctctatt tccctctctg 300
tagactcaaa atagacactt agcggaaatg aacaaaaaaa atagaataga gagtagaaga 360
atgacacaca cgaatcttaa cgtcggaaat cttttcagag tgaaagat 408

<210> 14582
<211> 480

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14582

ngacgtaggc attgagatng taanaccaca atcagcaggt cacagggacc gaggacgcac 60
gcgaagatgc ctcttcaatt aattcngcaa ncgccgagga aggactggga agagtcttct 120
acacaatagc gaccacagag aaacacgggg aacaacgtgg agctcacctg aaaaaaagag 180
gaaggtagga ggcgaacatg ccgatactca gtccaggggc catttatcaa aagagaaang 240
aataagacct tgaatacaag tcaactcaca aagcatagat acgatgggag ataaaaacgct 300
ggctcagagc atatatggca acggcaacct gaaccaattg gttggataga accaccgtca 360
acataatcac ccgattatct gtaaaaggct agggcaggaa tggcagaacc actctactgc 420
atagaagcgc cagaaagcaa acaaatgacc tggcctngat aaggatagta agcaaatggn 480

<210> 14583
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14583

agcttccatt gattcacata actcccatcc actggatccg cccttatttc ctccatcaga 60
aacttgtaag cagtgttggt cgaataaata ccaactcgaat gttgcttcca aatccaagaa 120
tctgtccat gttgttgaat tgatatcagt cctatatcct ataggaattc tgcagccatt 180
gaagcttcac tatcgaatag gtttctctc caattgaaat tccattccca cccttctctc 240
ttgtggcttc ccatgagtct gatagtttgt tgttggttgg tagaaacttg atacagcgta 300
ngaaatttgt ccattaaagt tctgtcccc cctaaccatt tgtcatcncc aaatctggtc 360
atgtcttcac aatgcacett ccaactctatt tgatccttat ttttattcac tcctctattt 420
g 421

<210> 14584
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14584

agcttatttt tctttattta taacgaacac agaagacggnn agaactgcgt tgaacctcca 60
gcctacattc acacgatctg gaacatggca caactacacg tctagacaca gagcttgtac 120
agagctnatn tncacccgca acacgaaaac aagattacat ggaaatatga atatatactg 180
tgttgagcta gacctagaaa cgttcaagaa gatactgctg gtatgttgca ctaactaatt 240
caaataacat gctnttcgag cctatatata 270

<210> 14585

<211> 403

<212> DNA

<213> Glycine max

<400> 14585

agcttgcatt ctataccttc gaccaaacac ttgcgtgtgt atgtctcggc ccggatttaa 60
cgcgggttgc aacaccggct ccgcttcctt aactgtacta taggcggctg ccgcggctat 120
atcctctata gttttctgga gttgtaacat gacctccgat atggaagcca tttgatcttt 180
taaagtcgat agatcagcct tcatctgctc ctgcatgccc tcttcattat ccattcttct 240
ggatcgagtg ttatacgggt gccttggtgt tttcttattt atgatgaaat tcctaaagaa 300
ataaacaaca gtgagtatgc caccaaaaca tgaatatgct aatgaatgat cgaagcactc 360
ggatccaccc caagggttct atattacatg atgagatcag aac 403

<210> 14586

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14586

agcttgcgta ctataccttc gatcgaacac agccgtgttt ctgtctaggc ccggattcaa 60
ggcaggctgc agcaccggct ccgcttcctt aactgtactg gaggcgggtg cgggtggcttt 120
atcctctatg gttttctgga gttttaacat gacctccgag atggaagcca tttgatcttt 180
taaggccgat agatcgacct tcatctattc ctgcatgccc tcttcattat ccattttttg 240
gatcgagtgt tataggggtg ccttggtgtt ttcttactta tgatgaaatt cctaaagaaa 300
taaacaacgg tgagtatgcc accaaaacat gagtatgcaa atggatgatc ggagcacttg 360

gatccacccc aagattttta gataacgtaa tgagtccaga acttctcatt ntataaaaag 420
aaca 424

<210> 14587
<211> 184
<212> DNA
<213> Glycine max

<400> 14587

gactaatgaa atctcaatca atctaatacg agatacgatg ttctaggaat. ttttaaatta 60
gttataatcc tatgaatatg cgtttttattt tatggatctc agtgataatg cacttcttaa 120
atgctaattc caatttctgt tcaagctaca aactcttttc cactatagat tttcaaccta 180
caac 184

<210> 14588
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14588

agcttctcta atattatgcg cctgaatcag acttccgttt caaaagttat gaccatatga 60
atttctccac tgtattccgt gtgacaagtt atgaccattt gaatttctcg atagcattcg 120
ttgttcaatt tcgagcgtct cgatatatta tgcgcctgaa tcggacttcc gtgtgacaag 180
ttatgaccat ttngaattgt cgagagcadc cgttgttaaa tttcgagtat ctcgatatat 240
tatgcgcctg aatcggacat ccgtgtgaca agttatggcc atatgaattt ctcgagagca 300
ttcgttgttc aatttcgagc gtctcgatat attctgcgcc ttaatcggac ttccggggcga 360
ca 362

<210> 14589
<211> 379
<212> DNA
<213> Glycine max

<400> 14589

agaagagggg ggcttgcatg gccttttacc tcaatagaca agatttgcaa gtgggtgaag 60

aaaaacttta taggcagttt cgtgtcagtc caaaagatgg tattaaagtg ttgcttgata 120
aatctcttat aaagattaat gagcatggtc gggtgataat gcatgacttg acacaaaaca 180
tggttaaaga taatgggtgac attacaactt gacacagaac atgggttgag ataatgccta 240
aaccataata tcatttcaaa caaggtgtta caatcgtttg gagaaaacac tgtaagactg 300
atatagatgg tttggggttg taatctttta ctttgatata tctcatttat caatgggagt 360
tcatcattta ttgatgtta 379

<210> 14590
<211> 203
<212> DNA
<213> Glycine max

<400> 14590
ggcttgcttc ttcttatttc agagaaaaga tgaatacttg gctacttcat gcactcctct 60
aatgacaata gcatcgtgtc tggcactaaa ttgctgggag ttggaagcca tcttctcaat 120
taaatttctg gcttcagcag gggatcatgtc tccaagtgtt ccaccactag cagcatctat 180
catacttctc tccatgatac tga 203

<210> 14591
<211> 359
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14591

tttctaata tcaaaangcc tcaatcattc caaatgcat gtgaattaag aagcatcaac 60
aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaatgatta 120
tgatgatgga tgactcaaat tctcaciaag gtaaatcat cactttcaaa ttaagctttc 180
ataactatca tgacatgtat aggagaatca aggatttcaa gtcacaaaat gtcaagaacc 240
tttattatta aaacaattac ccatttctta aacatattct ataattcaaa gaaaaacatg 300
ccaaagtcga catgcacaca aaattgaccc acaatattaa actataaatc caggaact 359

<210> 14592
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14592

agcttgatat gattaagtgt ataagggtga aacttcctgc ttttattcgt tgaccacaga 60
gtggtacctg gagatatgtc gcgggggtca ggagacctg gggacgtcag gtgggggtgct 120
attgccccaa agcaagcttg accaatcccg acccaaccg ggcatagtca gtcagtgaga 180
acctgtgatg tacctaaaca ggcgagctcc tggcgtcaa tagataaaag aataaagacc 240
acaaagcaag gaggcttggtg tgggtggctgg ccagctgtga actntgagtg ttatatggga 300
tatggcctct ggtaatcgat taccaaggat gggtaatcga tta 343

<210> 14593
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14593

agacgtctga ctctgntact nncacantaa nnaagaccg cgagncgaag agggacctgc 60
agggagcgag caggtgtggt atcccaacag gaaccaacg aggcgaatcc agagcaaagc 120
ccggccccca cccccacaga gagaaacata caggagccgc cagcctgacc cagagacatg 180
acgcgacgtg gggcgcgggc acgaagccaa gaagcaggac aggagcggcc cgcaggaccc 240
aggggcgacc atcaagcata gcgccacgag gaaggacct gaacacatgc aaacgtagcg 300
aggacgctga ggcgaacgac ccccgaggc taaaacacg agagggcgac aagcgcaagg 360
cccatgagga aagagcaacg tgcggcacgg cggtcgcgaa agcagacgaa cggagccgac 420
gcgaacgcca gagcaccgga ataaagcacg agccgacgag acgagaagcg cggctagaga 480
ggacc 485

<210> 14594
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14594

gactaccgat ccgagantct gaaacacaan accngagang gacacaggaa cccgacggag 60

agagccaagc ttgatatact ttattggaac acagcagcgg aggacagcac tgacgccaca 120
 cacaagaagg gcaccctggg acgagcccgg ggcaccaacg aggggaaacc agagcgggga 180
 cgtagagagg gacaaacgac ggcaggaccg accaaacaga gaggaggag ggctcacgag 240
 ccacgaaaac ggggacccga tagcgacaac cccggaccaa agaccaggg accaaagagg 300
 gaaaaaccgc cagaaggccc aaagaaggaa aacaccagca gcccgaaaga agaaccaccg 360
 gaaagccagg cctgacc 377

<210> 14595
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14595

agcttctcta tcttatatgc atcttggtgc tataaaagtc aaaaattaaa tatatccctg 60
 cttagcctaag tatttttaag tgaataacca gaataacttg aacaagtaat tcaaagaatc 120
 agcaacatac ctcagcaggc caggcatcag actccttcaa actcacattt gtctccaact 180
 gcttgaattc aggatagata caagcactag aggcataaaa aaacctaaaa aaaataaacc 240
 aaaaaacaag gatcactatg acggcgacat aaagactata tcatgcaatt gaaagtgaca 300
 taataacaca tgtntgttca aaatgaatga cctcttaaca ccattgatcc tggcagcctc 360
 aatcatgttg aagctaataca tgggtgttggt gtacataatg a 401

<210> 14596
 <211> 109
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14596

agcttgctct atattacatt gatgtttgta tntattggag gggtttgat gccatttttt 60
 gttttaaggg tagcgtttct tggtaaaact aactttccaa acgtttgcc 109

<210> 14597
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 14597
 gtggcggctg accaactgtg aactttgaga ggtaaaaggg atatgagctc cggtaatcga 60
 ctaccaagga tgggacacga gtacaacgct cacaaggaag acagcgaacc atgacggctc 120
 agatatccct acccctcgga cgcaccaaac accgagatga aaaacgaa 168

<210> 14598
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 14598
 taccacccac cggaccctag caccgagagc gctgttttgt tctagagaag aggatatcga 60
 gaaattccgg aaagaagtaa gaggggtggc caaacaaaag agctacgagg cggacttgga 120
 gctaaaaa 127

<210> 14599
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 14599
 cttaccatat atttgggtgaa tgaggttgct gcatgtacac ctctcttcc aaaatcccat 60
 taagaaaaac attatttaca tcacactgtt gaggtggcca gccataagtg acagctaggg 120
 tgagaagcaa tctcactgtt attggcttta tcacaggtga gaatgtttct gtatagtcag 180
 tttccatact gctgatggaa tcctttggcc actaatctgg ctttgtatct actgactgta 240
 ccatcaagat tctctttaat tctgaaaacc catttacaac caatgggaac tctgttatga 300
 ggcagagaaa caagagtcca agtactgttg ttgatgatgg catcactc agctttcatg 360
 gcagctaacc atatgaagtc agtcaaggct tgcttaatag acttagtttc atatgacat 419

<210> 14600
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 14600
 aagagaaaga ggccagagag acccattcaa ctccacatgt ccacggcgag aaaacaacac 60

atagcagcat aagacacttc atgtattgcc atattatctg atggctatct tttattattg 120
 atatgaacac atgtatatcc ttacatctta tatgggtggg gatgattacc ttctctatat 180
 tcatacacac taatggctaa ggtgaagcaa tttgctctgt atccgtatga cagtgaata 240
 tctactatat catttggttg atagtgatat attaacacag tttttttcta taattaacgt 300
 tgtgtttctca ctattgacct ttgcatactc aatcatgtta gcactttttt atgtgtagat 360
 ttacattatt attgaatgct tggctctgatt attttattca cg 402

<210> 14601
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14601

agcttattct aatttataaa aattgaatca tcgtcttaac aagtatttat ttggcaccaa 60
 aaaaaaaaaat aaacaagtat ttaagaaatt ttagctagtc aaaataagaa aatttttatt 120
 ttaaaagttt tattccaccc cttcatccca aattgtggga gaataattga attaaatgga 180
 tagatgttat ataaatcata gtcactctttt ttttatcatg tagtatcaca tctctcaata 240
 ttttatttta tattctaata atagatgcta tcttgaaatc ttaaattatt tttttgacct 300
 acaacaattg aatgcaaatc aattntatga agaaaaaaaa atcaatcttt taaatggagg 360
 gtagattnta acagttaatt tacaagaatt gaatcactna aatcaaacad 410

<210> 14602
 <211> 111
 <212> DNA
 <213> Glycine max

<400> 14602

tatcttgctc taaatctaca ttgatgtgtg tatttattgg aggggggttg atgccatttt 60
 tgttgtaagg gtagcatttc ttgtggaaaa ctaactttcc aaatgtttgc c 111

<210> 14603
 <211> 157
 <212> DNA
 <213> Glycine max

<400> 14603

acaaaggagg ggacatccct agcggatctt tgcttgtaaa agattttata aggatattgg 60
 aaatctcaag aatcgggtgt cgcttggtga ttggacatag gacttggttg ggaccgaacc 120
 aatataaata ttgtgtgtgt cttcttcttc cctacac 157

<210> 14604
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14604

agcttcatgt gttatggcct cagcaaactt cttatttcca gaaggaaatt caatcaatag 60
 acctccaatc tttaatggag agggttacca gtactggaaa acccgatgc aaattttcat 120
 tgaggcaata gacttaaaca tttgggaagc catagaaata ggaccttata taccaccac 180
 agtagaaaga accataatag attgaagcac aacaagtga agcacaacaa tagaataaac 240
 tagagataga tgggtctaaag aagatagaag acgagtacaa tataatttaa aagccaaaaa 300
 cataattaca tctgccctgn gaatggatga atattntang gtttcaaatt gtaagagtgc 360
 taaggaaatg tgggacactc tacaagtaac acatgaaggc acaacatatg ttaaaagatc 420
 t 421

<210> 14605
 <211> 297
 <212> DNA
 <213> Glycine max
 <400> 14605

agctatztat catttcaaat ggtcataacg tttcactcgg atgtcggatt caagcgcata 60
 atatatcgag acgctcgaaa ttgaataatg gaagctattg agcaattcca atggtcataa 120
 cttttaactc ggaagtccga ttgaggcaca taatatattg agacgctcga aatcgaacaa 180
 cggaagctct ccagaaattc aaatggatcat aactatgaac tcggaggctg gactgagact 240
 catattatat tgtgacgctc gaaattgaac aatggatgct cttgagcaca ttccaat 297

<210> 14606
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14606

agcnaagctt atttggncnt tgctagagaa agganccgang ngggtctgag aaaggcaaatt 60
ttacccatcc tgcttggacg aatgaaaaaa ctagggccaa tgaagagggt gatgatgaat 120
ganaaccctg gctgtgactg ccattccaat acaacccaag ttcccaccca cccaacaatg 180
tctttactca gccaataaca aaccttcttc ttaccacc ggcagttatc caccaaagcc 240
atccctaaaa tcaaccacag agcctaccta ccgcactttc aatgacaaac accaccttta 300
gcataaacca aaacaccacc caaatatgaa ttgacagcga aaagcctgta gaatcacccc 360
cattcagtgc ctatgctact tgctccatat ctacttgata ttcaat 406

<210> 14607

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14607

agctagattt cttttataag acaggacaca ctgctgtctt ctactataag ctaaaacaga 60
tacaataatc tattctaaag atacacataa ttataacata ttcaacactg atcctatgtg 120
ctcattataa ataaaggctt agtgtgggtc tccaagacgc gacattacac agtaaaacac 180
tattataata aatgaagact aattgtggtc atcctcaaca acacattaca gcaaaccctt 240
ccaacatcca taatgtgcaa tgaatgggtat ttaatgcata taatgcaaga actagtaaca 300
tgtttgcttt gacatctcac ccattgctcat gtgtgntca ccgaaacaaa cattcacggc 360
ttctacatat attaagctat gactcatgga tatgaacaga cctaactatg gattttttgt 420
aa 422

<210> 14608

<211> 495

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14608

nnnaagtacg ttgttagttt tcttttacnn tcacannnaa ttagagcacc gggcgaggg 60

atccagtaga gccgaccgcg tgcgcaggca ggttaatttt tagtacttta taaangaaac 120
 aacngngcggg cgagtgttca tttgggcccc ccacaaacga ctccgtgaat aaacgatatt 180
 gcgctggtca aagaaggaaa atttttatat gaatagatgt ataccacccc ttcataccaa 240
 tgcagggaga tttatagggt taaatggtac atgttggtcc tacatagaca tctatattga 300
 tctgtgtgaat acatctctca tattggttgg aattctagaa tgcacgccat cttgaacctt 360
 acatatttga gtgcgccccg caaaagaatg ctatcagggt gccgagcaat aaatataaga 420
 cttctatgtg caggaacgca acagagaata gttcgacagt gtatgctgcc atgaaacatt 480
 ccccttcat aggtg 495

<210> 14609
 <211> 178
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14609

cctagcgtgt cgccaggaca gaaaacaagt accatagttt acagatgcct aacacataat 60
 tgctctgtct ctgcgaatgg acgaatatcc taggcgttca aacagtagat tgctgcgaca 120
 tgtgtacact ctaaagtaac acctgacgog cacatatgta gaagagctgg ataactcn 178

<210> 14610
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 14610

agcttcatat ggagtttttc taccagaata cttgtgtact ccctcttcca aattggtatt 60
 acttgttttt atatgggagt ggtcttacca gcaagtgcac cgggtcacca agtaaaataa 120
 ttaaaacgga atgaaccgag tatcgaacac agcgaacttg ttcgattagc aaagtttttt 180
 taagtaagca agcatttgca aacagaaatt aatgattgtg aattaaagca aaagtatggt 240
 ctatcctaag taaaagcaat aaacgagaac aagtaagtgt gagaacatat atctaaaagc 300
 gtcgggtcct cctactaagt aagttgatgc aataaagatg ttatttaata aagatgtcct 360
 atgtctatgt caggacaaaa tacaacacaa atctctca 397

<210> 14611
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 14611

tacgaaagac tgccgaggat attcagaaat ttaatgactg cccacaccta ctgactcgag 60
 ggggggtatga actgcttgac aagagactta tggaggagaa taccaagcgt tgacatgagg 120
 aacatcacta tactgaaaac ccaacactca acatcgaccc ttcattctct atggcaagac 180
 acttgatgtg gaagatcgca cgcacaaaga gctatgaccc aatgacgtcg gacgcggcac 240
 gagaatttgt gcacataatt gagagaccat gtcttctttt ggtactggca ttgccaaata 300
 atggtgagcc a 311

<210> 14612
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 14612

agtctttttc ttagggagac ggaccatctc aagtgtctga aagaatcaat gacaatgctt 60
 acaaagatga gctgcccggg gagtataatg tgagtttcac cttcaatgtc tctgatatat 120
 ctctttttga tgcatatgga gaagacgatt agaggacaaa tccttctcaa tagggacaga 180
 atgatgatga catgatcaag agccatggca cagatccact tgaatgactt ggagagccta 240
 tgacaacggc tagagcaagg atagccaatg aagctgttca cgaatgttga catactattt 300
 ga 302

<210> 14613
 <211> 102
 <212> DNA
 <213> Glycine max

<400> 14613

attaatgcgc agcaacacat cgtctaaggg caccaatgac tgccttaaata aaaggacgcc 60
 ttgtctgtct actcatctca aactcgccg cattgattaa cg 102

<210> 14614

<211> 277
 <212> DNA
 <213> Glycine max

<400> 14614

ttgatgcact cctctaataga cactcacatc gtttctggca ctaaattgct gggagtttga 60
 agccatcttc tcaattaaat ttctggcttc agcaggggtc atgtctccaa gagctccacc 120
 actagcagca tctatcatac ttctctccat gttactgagt ccttcataaa aatattggag 180
 aagaagctac tcagaaatct gggggtgagg gcaactggca cataattcta tacatctctc 240
 ccagaattca tataggttct ctccactgag ttgccta 277

<210> 14615
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14615

gaggtagcct gacatcgatc aaaancgnag tgacaggaca aaggaggggg cgagtttgtt 60
 tcgtttanga ccacacacgg gcgcggaggg ggaagaaaac actcgcacc aaacaacgga 120
 gaaacacgaa gccaccggac gccacgcaga cacaaggaa gaacgcggtg ggtacgcaca 180
 gacggacacg acggccgaac ggacagaacg cccggcacga tcgcaacca ggacagggcc 240
 ctgagaacgc cgagagccgc ggacgcccga accggagaac gacgcgccgc cgccaaagt 300
 aaccacacta gcgtacggcg ccagtcaagc aaacacctag ccgggcaggt atgcgcccaa 360
 gagaagacaa cagcgccgcg gtaaagcaca tcggacgccc cccccccg 408

<210> 14616
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 14616

agcttcttat gttttagtgtg ataaagatga attcttggct acttcatgca ctctctaata 60
 gacaatagca tcgtttcttg cactaaattg ctgggagttt gaagccatct tctcaattaa 120
 atttctggct tcagcagggg tcatgtctcc aagtgtctca ccactagcag catctatcat 180
 acttctctcc atgttactga gtccttcata aaaatattgg agaagaagct actcagaaat 240

<400> 14619

ctgcatactc atcccttatc acaagattgc caaaatccaa taactctgcc actggattat 60

gtgcttcttt tggacaattt gtggaccaca caaccgtgtt gttgtgtgta aggaccaa 120

tgccagaact gtttagtctc aagatggcag aggaatcatt tattgggttg ccaccgtttg 180

caacccaaac aacattttgt gacggattat tcttgaacca aatccccagg tagcttttgt 240

ttggaagtcc aagattgaag aaaccaagct canagattcc cctttgggaa accatggtct 300

ttccaaaact ganggattgg gactgtgaaa tggatgatgt g 341

<210> 14620

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14620

agcgantatt tcttgcnttc tatggcggng agccngngct tgactcatct tctacttgaa 60

gtggcatctc caatcacctt tctccttct ncattttgtt tccattgatc ttcaagaaac 120

aaaggactcc attgatgaag aagatccaag gctaccagc tcaacatgga gctacatcat 180

gtggtatcag agcatcttca tctaggtgat gatcttttgc ttcctctatc tntntgcttg 240

gtcaattcac tataattcct tgggtcttcat cttcttctcc atgtatctcc tccattgctt 300

gtggcttggc tctgtntaga gtagattcaa aaaaaataa accgattcaa tcttagatct 360

acacttgctc ttgcatttct atggttcaca tntaatagat ctactcttga atcatgtttt 420

a 421

<210> 14621

<211> 222

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14621

gcaccggcga ggcgatacag agagccgacc ggcagcagcg caagcttctt atataaatgc 60

gagagaacgg acggcgggtg ccagcacaac gacaacaccc ccgagcggca ctaaagngag 120

ggagagcgac ccacaactca gccagacgg gctgaccagg ggtcatgcgt acagagcgca 180

ccaccagcag cacgaccaga cctcgccccg cactgagccc ca

222

<210> 14622
<211> 417
<212> DNA
<213> Glycine max

<400> 14622

agctttactt catatgtttt ccaaatac cagaatcttg ttgaaaacag ccaattgtta 60
agtggctgtt cttgactctg tcatcttgaa ggtgtacagt ttttgcttca agcatagccg 120
atttgcaagg gactttgtca tatacaatga ctccagtttc aaccacattg aggctgctgt 180
cttttctctt gcaacttctc ttaaagcttt atctccaagg tatataatga ttgcacttct 240
ggcttttagca atcatctctg atttctcctt tgagcttaga gattcagaca tcttttcttc 300
tcctttaaga gcttctgcac aaccatgatg aatcaagatt gcttccatct tgattctcat 360
aaccacagt cattttcctt gaaaacttct ctatatcgta ctttggtgtt ccatctt 417

<210> 14623
<211> 371
<212> DNA
<213> Glycine max

<400> 14623

agctttgttc caaaatcctg acacaccata aaccttgacc cagggtgaga atgtcaattc 60
ttaccctcgg aagcaaaaaa aaaggggaga gggaaaattt ccaatcaaag aggaagcaaa 120
aaaggagaga aggaaaattt ccaatcaaag gaaaaaaga gaggaaggagg aattcccaat 180
caaagagtgg gagaaagcaa aaagaaaaga aagataattc ccaatcaaag aatgggagaa 240
agaataaaga gaagaagata gggaagaaag ttcccgatca aaaaaaaaaa taatatgcag 300
aaaggtcttt ggaccggaca atatctgaac aatacagaat tgtcaccaaa tgaataaaaa 360
gaaggaaagg g 371

<210> 14624
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14624

agcttctatg gaagctggat ctttgagctt cattgagatc ctgcaatggt gattntcaac 60
catggagttg cagcgggaaga taaaggagaa gagttgagag gaggcgtcat ccactatgaa 120
ataagccatg gaaggaggag cttcaccacc atgagagtgt cttggataag aagcttagag 180
agaaagcttc aatggaggaa gaaaatgtga gagggggggg gggcactaca ttgaaggaga 240
aaaagaggga gagaagttga actttgaagt gtgtctcaca agattcttat tcatcanagt 300
tacaagtgtt acacatactt ctttttatag cctaggtagc ttccttgaga aacttccttg 360

<210> 14625
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14625

agcttatttt aaggcatgtg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaacaaaaa ttgattgggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
at ttgcttgt ttgtgaagca catgaaggag gtttaatggg gcatnttggg gtccaaaaga 360
ctctagaaac attacaagaa catttttatn ggctcatat 400

<210> 14626
<211> 218
<212> DNA
<213> Glycine max

<400> 14626

taaccgcat cgccagggc caatgacgtt ggagatcagc agggccccc gaaaaagtgt 60
gcagtaagga ggcgaaagat agcgttgagg aggttaactac ggtgagacgt ggacctgctc 120
tcgaagatta tgtactgaca catttgatga caactgctct tcaaggggaa ggggatgatg 180
gaagactacc tatgagggga cgaagcacta taacaatg 218

<210> 14627

<211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14627

ggcttttatt ctattttccc aaacatgaca aagaatgttt ccaacaatct aattctcacg 60
 ttaatctagt aaatcttggt ctactctnta tatagtttta tgattatcca attgattcaa 120
 gagcaaccct gcatgttcac atgggtatcat gaagtattat ataaaaatct atctgatcat 180
 catcaataag caaaatacag aggctgtcaa caattaattg aacaataaca tattaaaatc 240
 aaatagatat ctcttgacac acatatacag aaagcatact caattcatga tagtaaatac 300
 atcaaacgta cacttttatag gtacgagana cangataaag acacattata atcatagata 360
 aat 363

<210> 14628
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14628

agcttagttc tatatgggat gaaccttttc aggttttgga gaggatcaat aacaatgcct 60
 ataggttgga cctcccagaa gagtatggag tcaggaccac ttttaacatt tctgatttaa 120
 ctctttttgc aggtggagct gatattgagg aagaggaact aacagatttg aggtcaaatac 180
 ctcttcaagg ggaaggggat gatggaatcc tccctaggaa gggaccaatc actagaacaa 240
 tgagcaagag gctccaagaa gattgggcta gagctgttga agaaggccct anggtttctca 300
 tgaaccttan gatagaattc tgagcccatg ggccaagggt gggccaatt atctttgtac 360
 atattagact angatgtcat tatanttggt ccttgtatat agggctccat att 413

<210> 14629
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14629

nanttttgtt gagcaganan anngganagg cacgggccag cnngcagcag agaggaacac 60

gaagcaacaa nccgnnnnnc caccgcaana gaancanccc caccnggcgg gaaccacgaa 120
cccngngcgaa caaanngca gcgannccaa aagaaccaac cacaacacnn cnacagcacg 180
gagaaacann gaangagggg agaagggcca cnacgcggaa aagccggngg gaggcagnga 240
ccngcaccac nnggcagcaa cggaacaaga gagnagccnc caacgaaaca cnngacagca 300
ccaaancgan gggcaaagca gccaccncgg agcggacccg gcngaagcac anggagaagg 360
aacaacnacg ccacnncaac caacgggcca cgaaacncag agaacggaaa gcgaacagcc 420
cacg 424

<210> 14630
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14630

naaaggctat cttgacatcg tgatncacaa gaaccgggan nccncagagn cgacctgcgg 60
gcaagcaagc nagnatgcta ataangtgac gcaggcnann naagggacgc gacaggagag 120
natgcnagca caccacaca gaaagacaga nagacaaana aaaacacaca gagaaaggca 180
cacanaggca aagagacaca cacaagaaca cggaggccag cgggagcaca gaggacgggg 240
gaagcaaaaa gcaacgaacg ccgcggccgg ccgcagaaa gaaagagagg cgcccgcccc 300
acaaaaaaan ggacagagcc ccccgacaca ccaccncan gggggaggaa aagaacgacc 360
ccccacaga gccacaaaca agcccccccc ggnggaaaca caganagaan ccgggcgcga 420
aacagaggaa aaaacacaca ccggcggcga aaaagcagac cagggccg 468

<210> 14631
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14631

gangatgatt ttggngtacc cgncacaagn ggnacgaggg ggcgaaacggg cgaaggngca 60
aaacaacnnc ccacagccac aaancacgca taaaccacc aacccagna gcccaacctn 120
caacggagcn cacgnacgcc caagnnacc cnatccnca nccncncaa caaccgggcg 180

cccancaaac gncccaagc cgccgcaaca nccaagcaag acaacancca accatcanga 240
 accagcaaaa ccaagaaaac agcgcanagg aagaaaaccn gcccanaaaa cacaaccaa 300
 naccgcaacn nnnctactc anatacccca gnaacattct cttncttcca atttgtttac 360
 ccgtggatcg actcgaaaat ttactggngg cccagtaga taaatctaca ttgtgaccgg 420
 tgggatctgn 430

<210> 14632
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14632

nagcttcggt tacgatgttt aacataaag tcaacttaca gcatactagg aaaacattgc 60
 aaagatttaa ctgcgaacca tacagtgtgc aactcccttt tgcggaggcc accgtactcc 120
 tgatgctggt cactaaggat acgccggatc cccacgtta ttgagaaacg cgataccgga 180
 gaaccgactc gactgtaatg aagtcgggag tgattacgca cgtgatgtan ttcaccaca 240
 cgtcgcccaa ggacgcgagt tatggatgtc aacagacttg attttatgtc cttgtatgct 300
 tatactctca ccttttaatt ttctttgtgc 330

<210> 14633
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14633

aaaaaactgc tgtctagttc atttatgtac ngcagagtta ataaagcacc ggcgagggan 60
 acagnagagc ggcacgcaag gcaggcaagc tttgttttca tggcaaccaa cacaagnac 120
 ggagaggctc atgtgaatga gcctctcngc ccgcaccatc atgaacacat tgtctttcag 180
 taccttctat tcttccaagg aaataactcc tccatacggg agaaactgac attgatgaat 240
 aagaaccaca tcatcgctag tataatcatt acaatgggaa ggggaagata gaagccaccc 300
 tatgaaggga ccaagtccta gagcaatgat tgcgacgctc caaaaataaa ggactatctc 360
 tgtagataaa cgcccaaagg taacaggaac cgatggatat aaagctcaac catgcggcac 420

agtggcgcca gaaacctaga cattgaaact ggcattgactt ctgcaaggca cgtggcgag 480
tctataccgt cggctggaca tcn 503

<210> 14634
<211> 375
<212> DNA
<213> Glycine max

<400> 14634
agctttcttt gtcttcttta agtaaagatc tagtggtaga aaccccaact agtggttctg 60
tgtaaacttc taatgtgtgc ttgaattgtc ctgtggaaat ttctggtaga acatttgtca 120
ttgatctgat ttgtttgcc ttgagctaaa ttgatgttat tctaggaatg gactgggtatc 180
agagccggtc gaaacttttt gtttagagtc taacaaaagt aaaaatacaa tattatccat 240
atcttctaatt tttcatcat ccaacacctt ttttcttttt ccatatgcat ctcttctct 300
aaacctccta tgtcttgact tttcattatc ccatatcttt tttttgctgg tttgtttcac 360
ttcatctcgt cggtg 375

<210> 14635
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14635
gcttattaca tggtctacct cacagaanac cgggaagggtc agattgngct tcgttctgaa 60
ccgaaaccgt gagtcaagtt tggaagattc cgctccaatt gaaggggttc tctcgggtgtg 120
gggtttcaac agagaaatac ggcgggttcgt ggtggctact attggctgtg gtgatgtaga 180
agaagctttg gacgttggaa atatttttgg aagaaggaag gagacagaaa tggcgttttt 240
ccaaggctac acgaatcaca aaggctgaca cactcaagtt cttctgtctc cggaagga 300
agcgtttctc acacgccgga tgtcgtatcg ccgatctcaa cggtcattgtc gtccacaaat 360
gtcttatgaa ccttcagacc aaatctcaag aggatccaac ggt 403

<210> 14636
<211> 393
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14636

agtttttctt gataatctat agctnagcna cacacaccca tctaaaaact aatctcaccc 60
tccttgacaa aatacatgan aatacaaaaa aaaaatccct actacaaaga ctactcaaaa 120
tgccctgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata caaagcccaa 180
aagaaggaga aacctattct aatatttaca aagaagagt gatccaacct tgacccatgg 240
gctcaaaaat ctatcctaag gttcatgaga accctagggc cttctttatt agctctagcc 300
caagcctctt ggagtcttct atccaatacc cttgnggggt aggattgcat cacctgtgta 360
naggaaggtg gatatgtact tgtcgagaca aca 393

<210> 14637

<211> 97

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14637

tttctnattt tnatacnnga gncagcgact tgagctgagt ctattcttac ctgaaggatc 60
tgtgaaccaa actcatttta aattatatct aacctaa 97

<210> 14638

<211> 283

<212> DNA

<213> Glycine max

<400> 14638

atcagactca tgagaggaaa cacacactcc atcacaatca tgcattctaa ccaaactcaa 60
tacatacacg aattctcgca aaaggaccat agcgattcac tgcaatgtca tcacaatcaa 120
gatgaactgt tccatatgct ccataacaag cataccaacg gatgacagaa tgcacaacta 180
tataactata aacggaggcc agaactactc agaacaatgc gctataacta atatagtcac 240
aatcctagag atcaacttga actgagcatt ctctcatct atc 283

<210> 14639

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14639

ttcttagttt ttcacntan aaaccttaat tnttgaaatt ataaataacc catggtggtg 60
aaaatccaaa gagaattgac agtcacttca acacaagttt gggcctttat ttcaactaac 120
aaaatgctaa taaaaccact caacaaaggt ggcacctct actcttcttg gaacatggtg 180
caattgacaa tccaaagctt cgccacttgt aacttgggcc taaattcaaa tagcatggtt 240
aacacttggt aaagagtttc cttggccttc tttgttctag cccttggcat aagtcctcca 300
agtccttcta aaggttcctt gcccttggtt attgccatgt cctcatcaaa 350

<210> 14640

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14640

agcttttcta tctcaatcat ctctgtctat tgactaacia ttctaattgc aagttcacat 60
tcttgttctt tctttgtcta aaatacatac ttgctcaaac tcatgaaaag aaacacaaac 120
tccatcacaa tcatgcattc aaacaaaaat caattcatac accaattttc acaaaaagat 180
aaaagtgttt cactgcaata tcatcaaaat caagttaaac tgttccatat gcttcagaac 240
aagcatacca acaaatcaca gaaagtataa ctatataatt ataaacggaa accaaaatta 300
ctcanaacia tgtactaaaa ctaatatagt tataataaaa gagatcaaca gaatctgagc 360
atcctcctca tctatcaaat ggagaaacta gggaatcagt gagagcaaca acttctcggg 420
atg 423

<210> 14641

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14641

agctntaatt gctttcatgt catctgtaac ctttacaagt tcaacagttg gcttctccct 60
cacaataggc aagagagcac cctggacttg tgttgcatth gcaagctcct cgaggagtaga 120

atcaccagcc tacaataaaa caacagtttc acatgacaca caaacatctt tcatttcgac 180
 cttcatcaga aatgaaaatg cctaccacaa tcaaaataga taatggaaca tctgaattac 240
 cttaaccttg tgtgcccgtc ttgggaacac aaccaatttg gccttgtatg ttttcagcct 300
 ctgcacatta gcttgacagc tttccaaaga acggttcttg cgacgatgat caacagcaat 360
 acctatgggtt ggtgcaagct ttttgggaat ccttgctgcc tatggcataa tatanaaaat 420
 acataata 428

<210> 14642
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14642

agcnnngatt atgtcttaat taatcacatg tnngncatca tcaaaaagag ggagaatgtg 60
 aatgtatgta tacatgattt tgatgatgcc aaagaagaat caaacaaggc tgcttcaa 120
 gataagcatt tgcttcaaga ataattcaag attgcttcaa caaacaagc cttgtttcaa 180
 gattcactaa agaccaagtc ttgccttaaa acaagtgct ttcaagacat gcaaggctct 240
 ggtaatcgat taccagaaga cagggttgag aaatagctgt tgaaaaaggt tttgaatttg 300
 aattttcaac atgtaatcga ttaccatatg tctgtaatcg attaccagca acggaacttt 360
 ggaaattcaa attcaaaagt cataaccctt canatataac ttgtgaatcg attacacaaa 420
 ca 422

<210> 14643
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14643

aaagtttttt ttctttganc tcannaaaag gaacggcagg gaacagagac cgaggggtgcc 60
 ggcagggttg tanntcttta acgcnancc ggaggggcat gtccagtatc caccctccc 120
 cgcagaacca ccaattagaa tgcgtaacac cgaatattcg gaccgctttc ctcacaacta 180
 ttgggcagag gtagactacg tttactgtga aaactacat gaccacatga ctaatcagt 240

gacacaaaag aataataatt tttttgaaga ggcaagcaag atatgctctt caaaaaaaaa 300
gagatttatg atgggagggg gctcccagga gtgggtaaca agacataata tacacccccg 360
cggaaccttg ctcaaacata aacctcccg agactcttcc attatgcc 408

<210> 14644
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14644

ggcttgctat cttggttata aaagaaaccg tctgtgagtc atatgagaat ttttggttgt 60
acaacatatg cattagttga ttttaaggact aagctggatg ataaatttgt caaatgtgta 120
tttattggct atgctactta gtcaaaggca tacagactgt ataaccact aactggcaag 180
ataattgtca atagaaatgt tgtatttgat gaagatgcac gctgggtttg ggaggaatgt 240
gaaatcagta aaagtgttta tcagaaatca gtcagttntg atggttcata ggaggtctca 300
aatgtgccag aaaatgatca cactccaagc cctcattcaa cgccatcaag ccagggatca 360
ttaac 365

<210> 14645
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14645

agcttgntgt tctccattgc gctaaagatc gtgacaggta cgtttcattt cgtctacctg 60
tggtgttcta ttgaatagct aggtttgttt ctggaacctt tggttaacct aaggaccttt 120
tttggtttct ggtgcaagga ttgnngaact catggtgacc tgagacccat tgccgctgcc 180
attgaatagc tgagtctcgc tgccattgtc ggtggtgagt ttgaggtaag cttcatgtct 240
tcattgaaac tttgtgcttc cgcgtacgtg ctctttgtgc tcacttctct ttgaagcatg 300
tntatgttcc catcgtaatt tgttcttatg aaaactagct ggtatagatt gtagttagtt 360
ggtaattagt actactatac gggttgaatg cacctattgg ta 402

<210> 14646
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14646

agctttgttt attgttatat ctgtccctca aacaaactct gcaacttagc atctgaagtc 60
 tgggagcttt gagcagatgg gggtgttgat actggcgaag agggaaacacc agctgctctg 120
 gacctgggtt tccttgccct tggaaaatta actatttggg cattcacatt ccaacatttc 180
 cttttaatat aggccaagat aatgaccagc ctcaggctct tgtaagcagt aagagcatca 240
 gatccaactc cccttgacct acacaagact ttgattaaag ctgggaagcc taggcaagaa 300
 gagttgaact gggccataat gggtatccct gtgactaagc cataaactaa cctagctctg 360
 tcaatattca agttcgaggt gtgggaggta ngagctangt tggagt 406

<210> 14647
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14647

agcttgagtt atgatttgaa tagagatcat cactaccaac aatgccttga agtaagactt 60
 cattgggtgc ctgtgattta actgtgcaaa agtgaggaaa gaattcagag taaactccat 120
 tatctttggc aaatttactt acacttgatg gatttttagt gattgagga gcatgtaaca 180
 agtaatgaag ataaagagga aaactaggat tagtagggga cttataagaa ggagaaccag 240
 aaccaagaat ttttaaactc tcaccattac caatataaat ctgatctcat ccatcanagt 300
 gaccaagctg atgaatattn tgtggttctc cagtcacatg gaatgaagct cccgagtcn 360
 ggatccaggt tgaattagca ttgtccatga g 391

<210> 14648
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14648

tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120
ataccaggaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaattgac 180
aacaacttct cctcttggtc atcagcaagg gaggcagata taatcactgg aaaactcttg 240
ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tgggtgtggtc 300
cgctggacag tggtagaagg agatgggttc tcagccttta cctcataaag aaagtcagag 360
gtatgtgtac ttctgaaac atgggttagtc ctatctgact ctataaaaac aatctc 416

<210> 14652
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14652

ccccctcttt tccctgatct acaatgcatt gttctgagtc actgctacat gtgatttgat 60
ccatcttcaa tntattttatc taaaaaaaaa aattgggtttt ccaatgcaat ggttgatgt 120
gatatatgat ataatttgct cttcattcta attactccct ctctaaaaca aattaggcct 180
ggaaatataa tttcctgggt atatcttatt gaaaaagaac aattgtgagt ggctcttctg 240
tgatgcttgg ctatgttntc atataanggt gttgcttctt taattaaatt ctttttgtct 300
atctttcggg aagccatgtg agaatgtgtt ttatgctcga aaatgaatat cacatgcttc 360
tatggaacta anattgttgt ctagtttagc ctttggaat ctttgaata 409

<210> 14653
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14653

aaaaaaaaatg gggtttgaat taatattcca ctaaaaatga ccaattagat tctttagcaa 60
aaattagttn tataataaag agtttttaca gtattcacta attagaaatc atgttagaaa 120
taattnttaa agtattttatt tcanagtaaa aagaaattac tagtactgta cataataaat 180
tntaattgat taatttacac ttactggta aaaaaatgcg tagagactac gggaacttgc 240
tttggaatat gatgatacga atggatgaag acaaaattgg ggatgtttgg tgtaggtatg 300

aaatatcaaa ggtcaaaatc aaagttcacc aaaaaagaag tcgaaaacca aaa

353

<210> 14654
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14654

agctttctact tatgtggcag ggcgggcttc cttcactgtc ttgtctccaa cgcgagctnt 60
gaccaccgct ctttctttcc gcgatgctcc tctntatata cgctgagtg ggtttatagc 120
ctaaaccata cttccacga tttcctttgg catttatcaa gctagttatg ccgccgttgt 180
ctttgcctaa acccattccg ggctcgtaac catttcccaa cataactcgg gccatcatta 240
ttgctgcata gggcaggcaa ggctgccag agaaggagtc cacagaggaa atgctgacca 300
cctcaaaaga ctggatagcg gtttctaacg attcttctgc ggcttccaca taaggcatag 360
aggatgggca gctaccaag atgtcttct cgcctgacac aatgaccaag tgcccttcca 420
cca 423

<210> 14655
<211> 267
<212> DNA
<213> Glycine max

<400> 14655

cttaatccga catcagtttt ttcttatttt tcacatgaat atgaagctct cagatgctga 60
tggtcatctt cgcaccacgc gaaggatgat cgacgaaatg gagagtccgc agaggaactc 120
actagatcag gtacttcttg attatcagga tgcagctgag cgcttgccgt acttgaaaac 180
aacctctctt ctttttgtcc tctcatggcg aacggtgggg gtatatacta aatttaacat 240
ccagtgagca tgagtccttg acctttc 267

<210> 14656
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14656

agctttgtat gttcttatnc caccattatc catagtagaa tactggtgat gtgtctacta 60
 tcattgtcat cgctttttttg tcattgaggt gccactatga gctgccatgt tctccacctt 120
 tgggcgtatt ctttgacaga atagtgcctt ctttttgcac atgtactgta gttgcatcct 180
 atccgaagac attatactga cactgcctaa cgaaggaaac cactatgtcc tttcaagaat 240
 ggactccgga aggttccaag ttagtgtacc atgtaacagc taccagtaa gactttcttg 300
 gaaggaatgt atcaataatt tcttatcttt tgcgcatgct cccatcttgc cataagtcac 360
 ctttag 366

<210> 14657
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14657

actaagctnn caagaatgac atatgtttat gcaaagtgtg atatgtaaga attttttcta 60
 gtgcagcaat atatattcaa ggatgtagca atgctaagat atatttagtt atgtgacctt 120
 cgcaataagt ggaccataac ataatagaat aaaaaatatt gatgtgtgat agagcatttt 180
 tagtttatta ttttcatatt cttcttaggt tatttaacct ttttttactc ttattttctc 240
 accttaattc aattttgggtc ttatgcaaat aattagactt acacaactca aaatgaatca 300
 tatgagtagt acctagaaag ctaaggaaaa gagctcgaat tttatcggtt atgagtttgg 360
 gcgaattcta cttttttttat ggttattctg ggcttacaag tcagcgcctc tatacttggc 420
 ttt 423

<210> 14658
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 14658

tacaagccct agaggcagag cttgtagatc ccgtgattca aagagaagtt caagtcata 60
 gcggtcaatg tctgaaaaga gtatgattaa ctaatggacg tcaatatggc cacagccgat 120
 gccttggaac gagaaaccat gatggcccca gaggaagaac acgaacagag cacagttgtg 180
 aggggcttta tatggcagca atagttagct caagctctga agaggtgaaa gggatcatca 240

cggggtcatat gcatgatctt gaaggacgag ctaaaggctc gccttatgtc gaacagaaat 300
 ttgtcccaac agttaagcta gactgaaggg aatatgtggg ccattatcga tgagtgcata 360
 gagaagctaa atctagcggc gactcacgag caaaggctag aggatgag 408

<210> 14659
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14659

agcttttcta ctattgccac tctactcagg aattcgtgag ggatatgttg acgaggaaca 60
 ccactgcttc ctccaggaga atgttggtgt ggaaagcaac tacagtgttg taatacagac 120
 aattcttccg ccaacacgta atgacctgg aagtgttact attccttgtt caatcagaga 180
 agtcactgtg ggaaaggatc acattgattt gggagcagta tcaacctaat accactctct 240
 atgtgtataa tgttgtaga gcttggaatc atgcccacga gaatgactnt acaacttgct 300
 gaccgatcca tctcaagacc ttac 324

<210> 14660
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 14660

aacattttct acttacgcgg atcgaaaccc taatcctaca gatacctgtt gatacggcct 60
 tctactgaca aagagaggcc gccagagacg ccaccattgt gcggagtaag cttttaccat 120
 gtgcctatatt atgtaaaca catgtatata ttggtagtag ttcacgtca cgcaaccacc 180
 ctctgcaata atgtgtcaac atggata 207

<210> 14661
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 14661

agcttgaatg ttctataaga tgagtggaga acaaaaacta cccctaatac aaaaactagt 60

ctacgtgccc taaaatacaa gggctgaaga tcttacatta caaggggtatc ctaaacttgt 120
 ggggtaccct ccctacatta tggagcacta aatacaaggc ccaaaaaaat aatgaaaccc 180
 taatctaata tatacaaaga taagtgggat cataacttagc ccataagccc aaaatctatc 240
 ctaacgctca tgagaaccct atgggtcttct cctgcatctc tagcccaatc ttcttggagt 300
 cttctattca atgcccttgg agggtaggat agcatcatta ggggtgccta aaagcaagat 360
 attcactatg gtact 375

<210> 14662
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14662

naggacgaga cttgaaaact tgcagntacn tacgagacac cacnnannaa tacaagcacg 60
 cgagcanntg acgttagctc actataagag tactanggae tatgtatcat ttttactctc 120
 naaacnactg cctgtctgga atgactctga tgggcctact tacaagggct ataccanagg 180
 aagccgatga aactctctca catgtgctgc tcaaactatt tgaatacaag gcctggcttc 240
 atcaagaaac gaccaatgtt tacttgtatc atggccctca tggacgatga ctaaattggc 300
 ccccttcgtc tcaatataac aatgaaaagg ttgtctaaat attggcccag ttcttgtcca 360
 atggggagac cataaaaatg ttctgtgtta atcaagtaaa caggctttat tattgttact 420
 tctagaataa gtatggcaca atttatacac aaagctcttt ctttcggaca ccaatcgttg 480
 taactagggg ctagggggtg gacaaaaaca cggcacattc n 521

<210> 14663
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14663

ttcttgagag ttttgagaga atttattgtg tgaagatctg cagagaccag agcttgaaga 60
 ggaagctgtt ctgagagctt gagatgagtt tgtgagtggg tgtgagatcc tagaggtgaa 120
 tgagacatcc tcaccacttg tattttttgca atctttcacc tggttcttct ctctattgta 180

aaggaggctt cctgggttatg gaaagctaan atcctctgtt ggatcttccc tgtaggtact 240
 taatgtaaat atctttctat ctatataatg atgtgttatg tgttctctgt gctatctgct 300
 cttcattcta gtatgccttt accttgatca cgtagatgca tgctttgttc gggtcattca 360
 cacaatgaaa ctggccttat tctgatgac 389

<210> 14664
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14664

acacataaaa ctcagcttaa cgaccacact aatccacaca ttganccatt ttcttttgat 60
 cccacttaca ttcgacgttc tggaacattg cacaactaca cgcttgacac agtgcttgta 120
 cagagctcat ctccccgca gcacaaaaca aattagttgg aaaaatgaaa taactgtgtt 180
 aagctagacc taaaaacgta caagaagaac tgtcgtttgt ttcactaact aaatcaaata 240
 acatgttttt gtagcttata tatatcatta agaaaccagt caacagtacc tgaaggaagt 300
 gaattgtctt ttaatcgagt cagaaaccag tatatatcat ttaagatatg taagagagt 360
 ttgtcttttc agacaaatga agcattagcg aagcanagac acatcatcat gttgtgcatg 420
 tggaggtggc gggagctgaa ctgcgtatc attatatgtg gg 462

<210> 14665
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14665

cgccagattg ctatacatgg attctggtat tgtgccattc tatttattat gatagatgtc 60
 aaggtttgtc aagtgtatgg tactcaagta tgaaactagg caatccgcca gtgaagacat 120
 tgagatctaa agcaagatga gttaaggcaa ggcattccag aaacatatc ttacatgcga 180
 atccaactac gaattagttc agccagggtt tgttgatatt acgcatagag gtaaagttaa 240
 atataggaaa aatataacta tatggtgtgg tccacgtccg ctgtggtatg tagtgattat 300
 aattgaattc cttgtttttt aaaccaccat aatgaaggtc tttggttctc tgacggcaca 360

atgactccaa tttccatgca tgaagatcaa tgcactagta gggtcatggc actaagatac 420
aanaaaaaaa acaaagagtc tatcatttta cttca 455

<210> 14666
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14666

gcttataaga acattattgc ctcaatcatt tccaaatatg catgtgaatt atgaagcatc 60
aacaagaatc aagccaaggc tattgtgcaa gcaatcaatg gggcaaaaca caccaaatac 120
ttatgatgat ggatggctca nattctcaca aaggtaaact catcactttc aaattgagct 180
ctcaaaacta tcatgacatg taaaggagaa tcaaggattt caagtcacaa aatgtcaaga 240
acttttattt tcaaaacaat taccattttc ttgaacatat cctataattc anagaanaac 300
atgcaaagtc gtacatgcac acagaattga ccanaatat taaactagaa atccgacgaa 360
actaacaaca ttaacaaatt aacacaacta acaaatatc aaaaccaaca aaacttgtaa 420
aaccaaagaa cacttcccn ccccatatc taaacaacac attgtcctc 469

<210> 14667
<211> 410
<212> DNA
<213> Glycine max

<400> 14667

gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 60
aaaccctgtc gttacgcaac ttaatccctc tgcagcacat ccccttttcg ccagctggcg 120
taatagcgaa gagggccgca ccgcatcgcc ttcccaacag gtgcgcagcc tgaatggcga 180
atggcgctg atgcggcatt tactccttac acatgggtgc ggtagggtggc accatatacc 240
gcgcactcgt aggccaatct gctctgatcc cgatatattat acccagactt atggccgcct 300
ataaaaacga cgactcgaaa gcgttgaga cccatttgaa tcacctctgt gacctatgat 360
attggaatga tcagcgggaa aaaaaaacct attgcctact tagccattcg 410

<210> 14668
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14668

agcttctccc tcaatttcct ataaataggg ggagaagtga agtgaataag ggttcacccc 60
cttaggcact tctctctctt cgaattgcat ggaaaaatat ttccgtgatg aaaatctaag 120
ccgaggcgct tccgaaacgt ttccgtaatg ttccgtgag gaatttcgca naggtttcga 180
ccgttcttcg acgttcttca ttcgttcttc atcgttcttc gatcttcaac gggtaagtac 240
ctcgaaccaa gcttttcgat tcattctatg taccctgggt ggtccacatt gtgtttcgtg 300
tatttttatt ctggttttat ttactttgta taccctcttt tgacgtgctt aagtcanttt 360
atttaagtca tttctcgctt aaactaaaaa taaaataaat ttccaccgat cgtttgaatt 420
gtattat 427

<210> 14669
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14669

ntgacttcgc tcaccactaa ctactagggga attcctcatg cttactctct aaactactcc 60
actaatggaa tcatctcatg gttcacttaa aaatatatta ctagagggtg aggatcaaag 120
tcctacacat ttctaactca ccttggtcga aacaagggtt tgacatcatc tcacaacaac 180
atgtgtattc ttgacaagaa catctcatat tcctaatca acacaacaac atcctactaa 240
agaaacatat gaaatggaat caaatatctt aaaattgatt tccaccaatg aggaagtaat 300
aaaaatagtc attgagaata aggaaatcac tatatgtttt tttcatcttt agaaataagt 360
tctcacagaa tttatagaaa agtactttat acatcacaac taact 405

<210> 14670
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14670

agctttatta ttatagaata tccaaggaga atacctggat ctgacttatc atcaaatttt 60
 cctaagttat cttttccatt attcaatata aaacatttac aaccaaagat ataaagatgt 120
 gagatgtttg gttttctgcc attgaacaat tcatatggag ttntctttaa aatgggtctt 180
 attaaagccc tatttaaaat gtagcatgca gtgttaacgg cttcagccca aaagtatttt 240
 ggaagaggag tatcatttaa taaagttcta gcaatctctt ccaaagatct atttttcctt 300
 tctacaacac ccatttggtg agggtttctt agtgcagaaa agttatgctc aatcccatgc 360
 ttatcacaaa ataattcaaa ttctttattt tcaaactcac ccccatgatc gctcctaata 420
 gatataatct ttag 434

<210> 14671
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 14671
 aaaatttgaa acctgtatac atcatttatt gggatttggg gacataacaa tcaacatgca 60
 aaggagaaat ggaagaaaac gcataacata gaacacaaaa taaaagatta agaaataatt 120
 tagaaaatcc ccaacaaatc gaaatggaag aaaacgcata acacggggag ggaaaacaaa 180
 gaaagcgcca tcaaggtaga agaaggatca tgaacaccca aacaattaac caaaaaaat 240
 cgcacctgtt gtgataaaaa tctctgcttt ttttgagata aaaatcaaag ctttagtgtg 300
 ttctttgggc ttctatgcga aacaaagtat gagaaggatc atgaacaccc aaacaattaa 360
 tcaaaaaaat taagctttga aagaactaca aagaaaacac acctattgtg ataaaaatcg 420
 ttgttttttt ttaaagat 438

<210> 14672
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14672

agcttcctct acatccaagc aaaacaacat tcaaacagca caagctatca cagccaagca 60
 naacagagca aaggcagaga actctgccaa aacaccaacc aatcacagc tgttctcact 120
 tagagacccc agtaacaatt ccttcgttcc aattcggtta ccgttggatc gactccaaaa 180

ttntactgga agtctatagt acataagcct atattttgac cgttgggac tactagcaaa 240
 tatccagaac tcattctgca ctgctcttcc cacagccaac cacacacaag catttttctg 300
 cacaagccaa aatcctgctg cacctatttc acagcaaaaa tctgcacaaa gtgcagattt 360
 cgaaaatcac acttcccctc atccaatctt gcccaaatca attcctacaa gtaccaaadc 420
 atgtatcaat catg 434

<210> 14673
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14673

naacctggtg nngcctanng ttengaant agnnnnnnnn ngtcgagnan cnatatngng 60
 ataataanaa tagagataa agtnttgngg tatttatatc taactgtcta tanggggagg 120
 atcgttgagc ctataatacc aaccatanca atcaatggat taatttngta ttaaagnaag 180
 aaaaggtaga acatantact tttttggtgt aaagatatac gagatgtatg gaaagtgaag 240
 gggaaaatgg agaatcctga cgcttgctaa acggattggg cgagcaagtg agagtgaaaa 300
 cagatatgat gaagcattgt gtcattatat tgacacacat gaggcaatta ggggtgccct 360
 aacgggaaag aaatgaggtg atctatgata aacggacaga tacctaactc cgatgtatcg 420
 agagcattga cttcaaaaaa aaaggagaga tctacatgtc gatcggagac cataactaac 480
 agaacggttt ctgattcacg 500

<210> 14674
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14674

agctnttata ttatgtngac ctgagtgta tatgggttgt ctccatggt tcaatcgtag 60
 gtagcttggt tcttcttcac agatagggca tgcacgatgg cccttaacac tgcattcact 120
 caaattcttg tatgctggan agtcattaat ggtagaaaat aacattgcac acaatgtgaa 180
 tgtctcattt cgatacccat caaacacaac aacttccttg tctacaact ctgtcaaggg 240

ttcaatcaaa ggactgagat aaacatcata gacaacatca attattttta cttcatgcac 300
 taccaaggag gtaagttgta aattactagc anaacaagtc acaaactatg ctgagttctt 360
 anatngtcat agggattcat tccatcact 389

<210> 14675
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14675

agtggtcgaa gaaacacgtc attgctcgtc gtggctaaga gtgaaacaca atagacagca 60
 ttatacatgc aagcccatc tgacttagtt tcatgaacta ccaacatata aggtctggca 120
 gtgaaaacct atctataaag actaatacac actgtctcga tcgataatct atgaacatct 180
 agaaagcttg ctattggaga taatgcaacc gccaatggc tagaccacat caaggagagc 240
 aaatattaac ttacacaacc ttgagaaagt ctatgtntan aagagaacaa ttggacagag 300
 tctatagtcc gcctttttt ttttttgata atcatagtgt cttcacgga agaaacgaag 360
 tggaaactca tccttaaact gtggtagtaa aaccacatta aactcaaac catactcgac 420
 t 421

<210> 14676
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14676

tctagttaaa ttgattacca attattttgt ttcgattaca tagnnnaggn gagaccatgt 60
 gttttcatga gtctctatct taatccatta tcaggtgatc gtaatcgatt actatgttct 120
 tgaaagtatt ccaaggagt atcaagaaca ctttaatcaa ttaaatcaag aatctaattg 180
 attatattat tcttgatagc tttctagatt ttgggaagaa cactttaatc gattaaaatg 240
 ggaatctaatt tgattacttc ttcgagataa tcgattacct tggcaatcta atcgattaca 300
 agcagttata attgttcttt ataaatagtc acctgtgtt ttcactttga catgatttga 360
 ataagtgttg taaaatgagc atttgcaact cactcactct agtcttcggt tctaaagcat 420

tcatggntaa agtga

435

<210> 14677
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14677

agcttggttat tgtttcacga aagctctcga gaaattcaga tggtcataac tnttcatacg 60
gaagtctgat tcaggtgcat aatatatcga gaagctcgaa attgaagcac ggaagctctc 120
gagaaattga aatgatcata acttatgaca cggaagtcca attcaggcgc ataatatatc 180
aagacgctcg aaattgcaca acggaagctc tccagaaatt caaattgtca taactcttca 240
aacggaagtc agattaaggt gcataatata tcgagaagct tgaaattgaa caacgtaagc 300
tctcaagata ttcaaagtgt cataactgtt cacaacggag tccgattctg acgcataata 360
taccgagacg ctcgaaattg aacaacggaa gc 392

<210> 14678
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14678

cagctnctgc tgctctgct tcttggttag tctctctgc ttctgcaatg gcagctgctg 60
cttcagcaac tgctcgagca gcaaattgcag ctgctcttg tggagtcata gaccttatct 120
tttctaactc taaatctatc tgagatctag taaggatggt ggtctcatcc ctgtcaattt 180
tcatagaggc tttatgcctc ccttccaaat ataacacaga tgagtttctt cttctgtcag 240
aatatgctgc tataggtgca attctatact tgcgatttac ctgaaatacc aaagtcagcc 300
ctaaagtaag atctctaata gaaacaactt aatataactc ccaactcaaaa tgagaacatt 360
cagaatactt gtcaagctca cgtaaaacca aatgactaat aacattaaat caagacagtg 420
gagttcctga aattatatta tataaaa 447

<210> 14679
<211> 377

<212> DNA
 <213> Glycine max
 <400> 14679

ctaacacatc tattcaacac ttgttgatcc cataagagtt accaatgtcg cgtatagtgt 60
 aatgcaatgt attagttgag attcactaat aaagttttca gcaccaggtg aatatgtttt 120
 agtcacatct ttagctttct tttctttttt gccagacaga aattattata aacacacatg 180
 tggaaaaaga agtggaaaca agttgtatag atattttcac ctcaacacta tttttggttt 240
 tatkctaata tttatcacc cttacttcat tagaaaatta taagaattat aattaattac 300
 caaattaaaca caattactaa tttattgtac taaatattct tacttcaata gattacaata 360
 ataactttca tttttaa 377

<210> 14680
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14680

tctccaccgn cgnccaccatc atcttaaaat tttattttta tattatgagn acnnngatnn 60
 ggagccttgt attttggtta tattactatc gtattngaac aatntactat tttcctattt 120
 tgcattggtat gtttgaacaa atattaagtt tgttgataga ctatatgggt tgtatagtta 180
 atctatttat gaatgttgct tcatgatact tgcttcatgg attgggtggt agtttcttaa 240
 tgaatgccgt atggatgttt aattatttca aattttttac gcactttggc tttttgttga 300
 tgccaaaggg ggagagaaat gggattaaat caagaactca catgagtaat caacttaatt 360
 t 361

<210> 14681
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14681

agcttggtat tttggaagan aagaataccg caagtaggcg agatgatgaa tgacagccaa 60
 cacaatacga atgaattgaa agcctcatat tcaaaaactt accgattgat gaccgaagaa 120

cgaacgaaca acggcgaaga atggcggaaa atcttcatgg aatcgctcat ggaaatgtct 180
 cggaagcgtt acggaagcac ctcgacttgg atttccttcc tttgttaact tcttttcgct 240
 aaacaaaact aaaatacaca gcatagaggt cagggggcct tgaaactcag cctcctcccc 300
 ctatttatag gagataatgg ga 322

<210> 14682
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14682

gcatcctgat actactgtnt gtttatgtga aatctaactg gaagtgcggt gggtcgtcga 60
 gtaaataatt aaaacagtgt gaatcgagta tcgaactcag ggaacttggt ttacatggaa 120
 aagcatcatt cagtaaatat gaatttacgt aaagaattga ttatcatgaa gtaaaaatag 180
 aagtaattct attctaagta gaagcagtaa ttgtgagcaa gtgagtgtga aaacagatat 240
 gtaaaagcat tgggtcattc tactgagata cttgatgcaa ttagggtttt tctctacttg 300
 aaattattta tgtgttctat gatgaaggga caaataccaa acaccgatgt ctcgcgagtn 360
 tggcctaatt caaataaact tcgttctcaa atgtctgttg ttgaacttag cctaacagaa 420
 caacattaca attac 435

<210> 14683
 <211> 169
 <212> DNA
 <213> Glycine max
 <400> 14683

cactatccat gttcacacat tattgcagca tgtggttatg tgagcatgat ctactaccaa 60
 tatatagatg ttgtttacac caatgaacac atcttatgag catactccgc acagtgggtg 120
 cctcttgaga atgaagcggc aattcctcct tctgatgagg catggacac 169

<210> 14684
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 14684

actccgcttc aggttgctaa ttgctccagg ttgctgcacg gaaggctaata gtctgtatgg 60
tggtcagcag aggagcacag accacaaacc cttgcgacag gtacagattt ctgattcaag 120
gccagctggg ttaccaagtt gaccaacgca tccagtttgc cttcaagctt cttagtttca 180
gatgatgcag atgggtttgt agctacctca tgcactcctc taatgactat ggcatcattt 240
ctggcgctaa actgctggga gttggaggcc atcttctcaa ttaaatttct ggcttcagca 300
ggggtcatgt ctccaagggc tcaaccactg gcagcatcta tcatacttct ctccatatta 360
ctgagtcctt cataaaaaata ttggagaaga agctgttctg aaatctgatg gtggggggcaa 420
ctgacacata gtttcttaaa tctctcccag tactcataca ggctc 465

<210> 14685

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14685

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aataatcttg gaagtcattg cttccacatc taagtctatt ctatacatgc cttgaaatgt 120
catgtatgtc tgtcatttgt aacatataag agaaagaaca acatgataaa aatgacagaa 180
aatgaacgaa aaaagagtta ctttttgttg atattgcacc tccaattgca catccactca 240
acaaagcaac catttattnt cttccccaat cttttttatt tattttctga ttagaaaaaa 300
aactaaggaa ctatagtaga acaaagccta gataataata ataataataa taataatgaa 360
acaaaaccaa aataattccc aagttttctt ccctaatac 398

<210> 14686

<211> 329

<212> DNA

<213> Glycine max

<400> 14686

gcacatgggt cgcgtgtatg atatccactc gatatgtttt atttttatga gaccttcaat 60
cctataaggc atcgtgacag acaaaagtgg gtacttaact cgaatggcca ttattgtcaa 120
tgcggaaggt attccgcgct acactatcca tgtacacaca tgattgcagc ttgcggatac 180

[illegible]

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<223>      unsure at all n locations
<400>      14687
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<210>      14688
<211>      416
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      14688
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<210>	14689
<211>	435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14689

g ttggaggaa tcaaactctg gaggtgctg catgtagact tcttcttgta gaatgccatg 60
gagaaagaca ttgttcacat ccagctgctg tatgggccag tgataggtga cagccaaagt 120
gagaagaagt ctaacagtaa taggcttaat aactggtgaa taagtttctt gaaatctgtg 180
tcatattgct tgagggcaag gttgattgag gctgtgattt anatgaagag gaagagggaa 240
agaggtcata nggaaatctg gactcattga acaccacatc cttagatatg tagattctgc 300
cttcagaaga aagacattag tagcctttgt gcgtaggaga atatcccaga aaatgcattc 360
ttgagactga attggagttt attcttcttg tangagagga anacaactag gaagtctatt 420
aattaaatag acact 435

<210> 14690
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14690

tcaagcttta aaatgtanat tcaattctct aaaagttggt atttacaatt taaacttctg 60
gtaatcaatg acataccttg tgtaatcaat tatagccttt cacaatcaaa ttcaaaattt 120
gtcaaactgt ttcaaaattc aatttggcca ctggtaatcg atcagagaga aaatatcata 180
tttttgaaat ctcaaaaga ttttgtaaaa tctcctttat ccaaacctgt gttgcatcag 240
attaacgaat ctatctaaga tcctatgaac taagtacatc attcttcttg aatctctgga 300
ttcttgactt gaattgcgct catctctggc atcatcgaaa cttcacatca tatatgcttc 360
cacactggta gcaaccataa tgtcaacctt acattcaaga gtcagtgtta tatt 414

<210> 14691
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14691

acacatagaa actcagcttc tgtcacctcc tccctacaaa gtnnntgaac acatgttttg 60
aaggctcata aattgcacat accttaagtc ctcatgaaca tccctacct caaacctctc 120
catcacctcc ctagctactc cctcagcatt ggccacaccc tccctacaa taactgtgtt 180
tttcctctc accaactcac tcagcacact agttacatca ttattgttaa catggtctaa 240
attacgcttc gtgaaggagc cagcagcaac ttgacaaaaa ggtccagatg atggagacac 300
attattacta ccaccaagaa caacatgatg gtgcttggtg atattntctt tggcatggct 360
cctatcagaa gaagccttnt gtgaacaagc ttcattgaa acagc 405

<210> 14692
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14692

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gcaagtcnac tctccacatc cacaaatcac acataaatcc accatcccta gttgcccacc 120
ttcaactgag ctacgtact cccacgtagc ccttatectc gttcctctca acaccgggtc 180
cgcacatc catccaagca ttcacaacat ccaagcaatt caacatgcaa acatcatgaa 240
ctatccaaac caagagaata gggccgaggc aganaactct gcccaaaaca cattccaata 300
ccacagtgtt cctcactcaa ataccccagt aacattctct tcgttgatgat ttgctaaccg 360
ttggatcgac tctaaaattn tactggaggt nctagtaca taagtctaca tgttgaccgt 420
tgggatctgg ctataaacgt ccataacca atat 454

<210> 14693
<211> 454
<212> DNA
<213> Glycine max
<400> 14693

ctagaaaaca taccatcaag gcaaagcatg atcaagaggg aaatcatttt tagcgggcag 60
tatctctagc acctctctca ataggaaaat taaagtgtta atgcacactc caactctatg 120
taacacctac aaagagaaaa agttaacaaa tgcaatcaaa gataactata taaaaagcat 180
tcatggatga atttagttac ttctcattt tctttctctg cttttgatat cactagcttt 240

aaggaagcac ttaattaaga caaaagtatg cttatcagtt atgacaatat ttcttgcaac 300
 taaaatagag aatccatggt tccccctca cgtaattcat gtcaaaacat tctaaaatat 360
 ttagtggttaa aaagcttaat atcatgtgaa aattatatcg tgaatacgat cttatataca 420
 aggggtgtgt cccagtgtca cttgaatcct atat 454

<210> 14694
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14694

caattgcttc agattgttgc acagaagggc aattgtttgt gctgtggtcg acagaggagc 60
 ataaaccata gagtctggcg acagggtgcaa atttttgatt catggccagt tgggttacca 120
 ggttaaccaa ggcattctatt ttaccttcaa gcttcttagt ctcggctgat gaagatgaat 180
 tcgtggctac ttcattgcaat cctctaata gaatagcatt acttctggcc gtggctcctgg 240
 aagcaaggaa atttttttct aagaatactc tcttgaggtc atccanctc gtgatagacc 300
 gtggagcaag gtaataaagc cagtcctttg ccactccctc taaagaatga ggaaaagcct 360
 ttagaaatat gtgactctcc tgcacatcta ggggtttcat ggtggagcag acaatatgga 420
 attctttcag atgtttgtat gggctcttcc 450

<210> 14695
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14695

agcttggttc gatttactta cccgtngaag atcgaagaac gatgaagaac gaatgaagaa 60
 cgtcgaagaa cggttgaaat ctttgcgaaa ttctcacgg aaaacgttac ggaaacgttt 120
 cggaagcgcc tcggcttaga ttttcttcac ggaaacagtn tttccaagca aattcgaaag 180
 agagaaaagt gcctcagggc tgaacccctt cttcttgca ttctccctt atttatagca 240
 aaatagggga ggtggttgcc gccagctcg cccaggcgag ctgagctcg ccaggcgagc 300
 aggggtgctt cctccagaag caaccgctt ctggaggaat attccagagg gcccaagtgg 360

gcctgggtgc tatttgcacc cccatatata ctangtacac cncctctgc tgtttttggg 420
attctttttc gtaag 435

<210> 14696
<211> 409
<212> DNA
<213> Glycine max

<400> 14696

gacaaactgc tgaacgtctg ctttctttcc cctccaatat ttatttgccg ctattcttct 60
ttatgcgcga cagaaaccat aatgaccacc ttcacgagta gcatggaatt cttccagaaa 120
ttttggaatc caagctaatt tctctgggat gacgaggcga tttttataat aaagtacccc 180
ttgtctatat acaaateccag cattgatctt ctccccctgt cctttgttca cttcttcgat 240
tattgttctt aacttctcat ctgtgtgcac ctcatcattg atttcttgcc aatccaacca 300
taccgggaag taaatcacat tgctcagttt catttcatct ctactacggg acaaatecatc 360
agcttgtctg tctcctttcc agcttataaa tatctcaaat tatacccta 409

<210> 14697
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14697

gcttgggtct ctttgcacgc aatggctaaa ggacaagggtg tgtgaagcaa ctaanattat 60
attcaaattc gttctactct tgtttttgaa gttcatgtta ttgaaaataa gttattgtat 120
cttgaccag catgttaatt ataaattgca ttaattatct caatgtatct atttggtaaa 180
taactgtata gtgtatgcat gtntgaatta actcttttat ttaatagaaa atatagcaga 240
aatatatgaa catttttttaa cagaagagtg tatgttgaat acaatatata tgaatgcaca 300
tatttgcacg ccacttngat ttagttttcc ttacatacat acatgatata gtgtgagtggt 360
cgtaacatga gtaaaacaaa aaacaatgtc ttttttttta atcatgt 407

<210> 14698
<211> 384
<212> DNA

<213> Glycine max

<400> 14698

actagcttca ggcttcaaaa ttaactcttc aaagagtata tttttggtga tcgggatgac 60
agatagttgg gaggcgtcta ctgctagtta tctaaattgt gagcttgtgg acataccttt 120
tctctatctg ggtatcccgga ttggttcata cccaaggggc tcaaagctgt gggatcctat 180
tgtcaaaaaa tgtgagagga aattggtgaa atgaaaacaa aaattatctt ttgggggaag 240
ggttacactc ttaaagtctg tcctaaatac tattgcgata tactatcttc tgtttttcag 300
ggctcctgca agcattctgt atagactgtt catggcacac gagtggtttt tgtggggtgg 360
aagggcatat cgtatcatta tatt 384

<210> 14699

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14699

cttghtaaca gacaacctta tcaccncta taaatntacc atattatcaa aagagcaaag 60
gcaacatgtt atccctctc tcaaacaatc catgcacatt tctttctcaa tggaacacca 120
ttcccacact aaatcttcaa cctatcaatc caattggaat tctcaaatac aactgttcta 180
aataatcata ttgcgcaaga atcttagaat gtgggttttag gcctaactca accccaaaag 240
ctagctcata cgatgagggt tgccccact tatatactct atattggcct tatccctagc 300
taatgtggga cttgtgtnt tcacaatata ccnctcatg cccaacactt ttgagcttgg 360
tgcggtgata atat 374

<210> 14700

<211> 182

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14700

cacattgaag atggtgatgc cagagataat agattcatta cagttctcat tcataggcgg 60
angaacactg taccacagag tattgtaaac attgcattct gcgtatgaag catagaggcg 120

acatatgcca tgcttgctgt tcaaagtaga ctatgaaaga gcataccact cegtctcgtg 180
gg 182

<210> 14701
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14701

ttcatctttt catccctctc ccttgccaaa agaattccca aggactactg atgcaaccta 60
ccccgcaggg cattggataa agaccagta gaatgggcca agatgcaaga gaagccctag 120
gttcttatga ccttatggta gatttcggcc catgggataa tacgagcca ctatctttga 180
aatatagata aggttcatta tttggcctgg atttaggctc atatgaggag ggaccctaaa 240
ataangattt tcacccttgt atttagggcc ctaacagttt tgtatanggg agtttgtaat 300
tacatgcact agtggatatt gatgggtggt ggaaaaaatt aa 342

<210> 14702
<211> 294
<212> DNA
<213> Glycine max

<400> 14702

tagagacatt tacattggat ttaatgacga aatctgtgca ttttcacgtc aaaaagaggc 60
taagttctga atcgcacaaat gtaacagttg ggctaagctc ggcagttgga ctaaacgcat 120
atccaccgtt aagcgcagct tcagagcgt caccgcatag gagaatctag caaagcatga 180
acatcaaate cgcgcactaa gtgccagatc attgcgctaa tcgcataaag agccttttagc 240
caggctaagc ttgagactgg cgctaagccc tatttcactt actcacgcta aaca 294

<210> 14703
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14703

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gagatcgaag tactatggag aggctgagaa aatgctcaga ggaagtataa tggtaactgc 120
 ctaaggcagt cgccttattt gatggcagat tcgaatgact cgctgagcgc atggacacgc 180
 taagcccaat acaaaactat gaaattccat agaagttttt ggtcttagcg cgaaggtaca 240
 cggtgggtga gatctgcac tgtgataggt cttgcaactc tcgcttagca agccgcagcc 300
 actctgagcg aataaaatgc tccttanatg cagtagtgga ctgtgcgtaa tgcacgtgc 360
 tctcttaacg cta 373

<210> 14704
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14704

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 agcaagaagc cagcggttaag tttggacagn acngcgctgg gtgatatgtg tganacaaag 120
 atcctctccc actctgtgtc ttatgattga caaggttact aaggatcaaa gttaacttgg 180
 cggcgcacaa tcatgtgtta tgatccttac ccgtgagaaa agacattgtt atatacatga 240
 tatggatctt atcagaggtc tgggagctgg agatggaggg aacccttcgc tgctgtgatt 300
 cctagtaaat ggtataccaa caactgcgtg tatcggcattg cttatcatat ggtagaact 360
 gaagtaagga agaaaatata tgaccacctg ttaggcagtg cantgtgaag acccggtatg 420
 ggtgtntgct attgttgccg tccaccc 447

<210> 14705
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14705

gtgatgtaca cgccacctga cccacangcc cgatagtga ccttgcattg aaatggagat 60
 aaccagctcg cggggatgag caccctgtc gggaggcata gcccttgcc cganagaggg 120
 aagtgtgtg tgcattgagc cggtgtctcc aagggaagg agatccttat tttatataac 180
 ccacatgacc agcagaggag tgataatgtt gggccatttt ctgctatcta caccaccacc 240

acactacat cccaacatct tgagacctta atgaaggga ttacggaccc aaatggttcc 300
agcatgcatc atacac 316

<210> 14706
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14706

actcagctta agttgcccga gtcattcatc cctatgaagn gtgttgatta ttggcgatcg 60
aaangccatt ccctggttat ggggttgaac caagctcatg ctttttcgaa aaaagttcat 120
caaatacaagt tgaagaatgg aagtaactat cttgcaaaaa ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcgtc tactgcaaaa catatttagg attgttgatg ttcttggtac 240
ttccagtttc accttgacaa agatgtcata gaccatgtgg aaaatctaaa ttgattcaac 300
cccatatcct gcacaatact tcaactgtac atcattcgca tacatccatg cttttcattg 360
gttgcatcgc tcattgcatt ctttccttga aaaagacaca taaaataaat aaataaataa 420
aatanaatca aaatgatctt aatcattggt a 451

<210> 14707
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14707

gctggatcat ttttatccac agtgctntat tgaatgctgt gggtcacagg tagagacctg 60
actcacacat gttacatctt cctgttggtg aatgcagaat caccttggan agtgttgctc 120
ttcaacttga tttatgcgtt aatggacgac tagttactag tgcaacatat tatgattggg 180
aacaaatgtg tgcaacatat ataggtgttg ttcccccaaa gaatgcattg gtgggatcaa 240
agcttaaact ataatggtta atagataaca tggtgactct cccaacagaa cccttaccac 300
aacaattagc agcccgttgt aggcatacat tatacggttg atttatggtt gttgatgcta 360
aacc 364

<210> 14708

<211> 431
 <212> DNA
 <213> Glycine max

<400> 14708

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cttgataata atggtttttg gtagtacttg ctatcttgaa atattgacaa tatattttga 60
gtgttttgctg gagctgtttt ggatataatg aggggatgat tcttttattc ataaacttag 120
atgtactaga ataaacaaac ccacaacttg ggcttatgtg acaaaggtaa tgtgattatc 180
gtcattgttt attacattat ttgaattaat caaacaggaa taagaaagt ttgcaaattc 240
tttttttttt tttctcaatc tgcattggcct gattatggga acctaattaa ctggttatgg 300
gttctgatgt gtgttatgaa taatggtgat agataacata agagtggtag tggtggttac 360
cagagcaatt tggaaacatt aaattgtggt gtaaagtatc cctgattgtc ggcgaaataa 420
tgcattgtag t 431

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<210> 14709
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14709

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naatttgatc ttgagancta ggcaantagn nccgatggt catcacgcg gctgcaagct 60
gaatgtcatc ttgtgatagg acgaccagcg aagtgggaag agctaccgat gttcactttc 120
ccgctcctcg acatattatg cgccogaatt gtacatccgt gtgataagta ttgaccattt 180
ggatatgcga gagcttccga tgcttaatgg cgagcgtatc gatataattat aagcctaaat 240
cggacatccg tgtgaaaagg tatgaccatt ggaatttctc aagagcttgc gttggacaat 300
ttcgagcttc tcgacatact atgcgcgcga agcggacatt ctagtgagaa ggtatgacca 360
tgtgcatatc tacagaactt ccggacgtta atttcgagcg gtgcgaagt atataaacct 420
gattcggacc ctctgtcgac aagtatgact ctatgatttc ccagagctcc gtgtcaattg 480
cagcactcga ttccaatgga tct 503

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<210> 14710
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14710

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 gagaagagaa ccctaaaaaa tttatgcta tctcccaaat gacgatcttg tcctctgtaa 120
 cttttcaatt catccgcgct agtgaaaggg tgattctgcc tttgtacagt gaaatttgct 180
 gcatctctag atataattaa atgtaaaatc aataactaaa tttggatgca aaaaatcata 240
 atcataataa tcattttttt atatagaatt cttgaaaggg aatggaatgg cctcaaccgc 300
 atccttttgt aacaacttgt ggaaatgcc tgtgcaacgc tcaccacata atattctcta 360
 tcttttcta aatagcaatc tttctctgcc aatctcagaa aagaaattat actttctatc 420
 ctaacagaat atactata 438

<210> 14711
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14711

gagtagtcga agagaagttc aagtccatag ccatcanagt ctgaaaagag tatgatgaac 60
 taagggacgt caatatggcc accgctgaag ccttggaacg agaaaccaag aaggcccgan 120
 aggaagaaca cgtgccagca aagttttgag gggctttata gggcagcaat agtaagctca 180
 agctccgaag aggtgaaagg aatcatcaag ggtcaaaggg atgatcttga aagacgagct 240
 aaaggcttac cttatgtcga anagaaatct gtcccaacag ttaagcgaga ctgaagggaa 300
 tatgtgggcc gtcacgatg agtgcaaaga gaagctaaat ctacggcgca ctcac 355

<210> 14712
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14712

tcttagtctc ggctgatgaa gatgaatngt tgtgcttctt cattcactcc tctaagtaca 60
 atagcatcac ttctggcact aaattgctgg gagtttgaag ccatcttctc aattaaatct 120

ctggcttcag caggggtcat gtctccaagg gctccaccac tagcagcatc tatcatactt 180
ctctccatgt tactgagtc ttcataaaaa tattggagga caagctgctc ataaatctgg 240
tggtgacgac aactggcaca taatatcttg aatctttccc agtactcata ctagctttct 300
ccaccaagtt gtctgatgcc tgaaatgtct tttctgatgg cagtggctct agatgcaagg 360
aagaatttct ccaagaacac ccttctaagg tcatcccagt tgaaaataga cctgtgagca 420
aggtagtata gccaatctct tgccactccc t 451

<210> 14713
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14713

agcttctttg atatctttct tgagaagcta gagcttacta cgcacgccct tttatatcta 60
agctcacctc cttgagaagc ttccttgaga agcatccctg agaagtttcc ctgagaagat 120
tcctagagaa gctagagcat agctacacac acccatgtat agctaagctc acctccttga 180
gatgagaagc tagagcttag ctgctacaca cccoctataa tagctaagct caccctcatg 240
caaacataca tgagaataga ggagagtcct tactagaaag actactcana attccctgaa 300
atacaaggct aaaaccctat actactatag tggccaaaat a 341

<210> 14714
<211> 457
<212> DNA
<213> Glycine max

<400> 14714

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cctttccttg ttgtgaagct cactacaagc cttaagtga aaaccatgat attaccatat 120
ccttaaggaa ttttgagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180
cattggacaa cttgttttgt tgactatgct tcatgatgta ttttgggcca tacttgatgt 240
acattgtata ttggttaa at gttggacatg ctgaatgaaa tgttgtttct caaaggcaga 300
aaaaaaaaa aaaaaaaaaa ttcgaaaaaa ataaaaattt cgaaaaaaaaa aaaagaaaag 360
cattaaagtt gagtgaataa gatcttaa at ggcacaagaa tgacgaaact ctcggttcta 420

ctctacatgt taaactttta tctttacttc ttttatt

457

<210> 14715
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14715

atggcctctc ggatacgcac cgccattttg cataacataa cacacactag ctccttatat 60
ggaagcccca aatattggtg gttgattcga tgtgaattag aacttggaat tgtacaacc 120
tgaattctga gatccaactt tgttaaacga ctcttcacag gccacagct cataatcgaa 180
acgaaccgt aaccctactt cttgttcaat cctccaaagc caaactttca cgttggtggt 240
anaaagtacg tatgccgctt tctacattag aaaccatgag aatctctata tcacaaacct 300
atgtgt 306

<210> 14716
<211> 456
<212> DNA
<213> Glycine max

<400> 14716

tatacgttag taacatgaca ttgtgtcata ctttgacata ttatcgctca acaaaaaaat 60
atatttattag ctgaattgca ttgttttaaa ctctttttat atattggtgt tagttttatg 120
tgacatttac tattgacatt ttgttaacca tttgacaagt gtaccaaagt tccaagtagt 180
aaagactcaa aagtctgagt gttgattttc acagggattt tattttgtac ttgtgttgga 240
taattttcaa tttatacgag gacaagataa gatgaggat aaaagatgaa tttaaaagaa 300
tagtaattaa ataatagata ttaatagaaa acaaaaggaa ataatagaaa attcaatgag 360
atgagaatgt tagaacctaa catgtcttat ttgcctaaaa tgtattcatt gagatttttc 420
tctatcaatt agggttaatt tttctacca catcta 456

<210> 14717
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14717

agcttcatgt tgctcattga ctccagatng ctgcanagaa ggacagagat ctgtatgggtg 60
atctgcagaa gaacatagac cacagactct tgcaacaggt gtagatttct gattcatggc 120
aagctaagtt actangttga ccaaggcatc aagttctcct tcaagttggt tattttcagt 180
agataaagat gaattcgtgg ccacctcatg gactcctcta aggacaatag catcatttct 240
tgactgaat tgttgggagt tggagccatc ttctcaatca aattcctagc ctcaacaggg 300
gtcatatcac caagagctcc accactggca gcatcaatcg tactcctatc cttgntgcta 360
agtcctcat agaaatatcg aagaaggagt tgctcagaaa tctgggtggtg aggacagctt 420
gcacacaatt tcttgaatct ttcccagtac t 451

<210> 14718
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14718

gggttcgagg tacttacctg ttgaagatcg aagaacgatg attatctatt gaagaatcgt 60
cgaagaacgg ttgaaacctt tgcaaaattc ttcacggaaa acgttacgga aacgtttcgg 120
aagcgcctcg acttagatct tcttcacgga aacaattttt ccaagcaaatt tcgaaagaga 180
gagaagtgt taaggggctg aacccttttc ttcttcactt cctcccctat ttatagcaaa 240
ataggggaga tgcttgccgc ccagctcgcc tagggcagct cagctcgccc aggcgagcca 300
ggttgcttcc tccagaagca acagtcttct ggaggaatct tctggagggc ccaagtgggc 360
ctgggttgcta tttgcacccc catttttact aagtacaccc nctctgcttt tttatggtga 420
ttctttnttc gtaatgttac ggaaactta 449

<210> 14719
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14719

gcgcatact cgctgtcgca cttgtcacc ctcaagccgc aaaaatctcc tcanacagtt 60

ccggtaattt ctttctatca ttntcctccc ttttatttgt ttaataattg tatttccggt 120
tattaaaatg acatggtaaa atttatatcgt caaccaatga tntgtaccat cgagcaccgg 180
atgaactgat ataaattggt ctagcttaat caatagtctc aagtttatga gatataangt 240
tggccctgt ggttaacaaa actgacaaaac taacatttgt ggataaaaaa ataaaataaa 300
aatatgatct tgagtntact gtattcagta tgcagttgtg ttaaataatc gaaatgagac 360
atttgttgca tacagtaatt ttagccggct cgaacaagat tgactctaac 410

<210> 14720
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14720

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caaaccccat acccacgaaa atcaaaggag aaagaagtcc acccaaacct gaattttcga 120
agtccactc gtageccagc acttcacgac cccgaaaatg ctctcctttc acgatttggt 180
gcataaatga gcaccaaattg ttgaagcttt gtgtggagct tcaatggtga atgaggaaga 240
agagaatggc aacgtgaggg agagagaggg ctgtctgaaa ttttctgttt tgctgagtga 300
ggagagagaa aagctttttg gtcttaata aaaagggttt tccctttttc cattatatta 360
tttatgcaaa agccacatgt ctccatttga gtggagcaag aagggccccac tntccctttt 420
gactgtgacc cacac 435

<210> 14721
<211> 412
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14721

gcaagctttc tatatannt ctatgtcccg ggggggccac ggcggtgtt gagtattatt 60
attctcatc catttacttc ttatacccc tcttgacgtg cttaagccac ttacttaag 120
tcatatctcg cttaacttag aaataaaaat aaatctccac cgaacgtttg aattgcatta 180
tccgttaact tcggttaaaa tgaatgccga ccattcggtc gtgccgtaac cacgttggt 240

atcaaaaaga gaggtaaaaa aaataatata ataatcagaa gacatctttt agtataataa 300
 agtggaaaat caatcggacg ttttctcttt gggatntctc attcttaatc gaattgagaa 360
 taactaaagt gaaactaagg ctaatatcaa ctgcctagt ctagctcgtc ca 412

<210> 14722
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 14722

tataaatact aagcttcgct aaatattatt gctttgaaac gctcatgcta cgctactcat 60
 gcatattagc tatcttatga caggagcagt gatcgtttta gcaatagtca aataccgagc 120
 caaatccaga gacagagacg aatcagggta agcggtaatg tggccactat ttgttgcgca 180
 atgtcgttgc ctgctttcat gtacttacgg atgggcacga gtggaggcta tgcccatgat 240
 caatggatcg tcgtgccacg tccagcttgt gacaagcgag aagcgctact gggaagcagg 300
 ctagtatect ttaaattcct acttattatt gttgttgttt ctttgaggag atggtcgaat 360
 gcctaattta ccctaagggg ttcgagtaag cgaacaccga cccatataga gcgcgtacct 420
 ttgtgttaga aaaaatgc 438

<210> 14723
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14723

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 ggctaataca ggtgtcagag gctctactta tggtattaaa aaatattatt tttctataaa 120
 aaaaaatatt aaggactact ttttgtctcc actaaagaaa gttactgaat cctccactat 180
 atttaagcct tttggttatg catatgagat tcttacgttt gagcagcaat gcattttcat 240
 acttttcatg taaatgaatt caatgtataa ccttaatgac ttgagttaac ctcaaagagt 300
 ttcataatcg tgttcgaaaa ctcaaaaaat caattgttaa atttagttga act 353

<210> 14724

<211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14724

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 cactattgtg aagtgaatca natatataaa gaattaaatc tagacgtata atcaaataatg 120
 gacggtaaaa tttaatctta acaagtcatt tgagtttttt aaaaagtgtg tgactttnta 180
 agtaattata tcacataaaa tcttaacctt tcatgtatga ttaaacaatt canatttaat 240
 cttttcactt tcatataaga tattntatct cataacatat atcttatata tagaaagaat 300
 agatacccat caatttatgt catcatgggc tcattggcag ctntntttnt ttttttaagt 360
 ataatgggta tctaacaata aataaaaaca gaaaacattg aagtctttga aaaatataaa 420

<210> 14725
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 14725

tactcaagct cgataggatc aatgtagcga gcgtagtggt tgctacaact tatgtatata 60
 caaggcctaa ctgagaaatg aatttgtggg ggcaatggaa agaaggaaaa ttgataaaat 120
 tgttattcta ttatctctta ttcacaacaa aaacacgata ttactctaag gagctactat 180
 gcatacatca catttcatat ttacatacaa acacacaaaa actcactatt tttatatggt 240
 ctcgccatgg caaaaggaaa ttttgctctg gcgaaaacat ttctgacatg attatgtaga 300
 agcagtcata taaatttcaa agctaacact cacaagtatc ctataaacia tcatcaacta 360
 caaagcttcc taaactagtt tatcgctcgc atcctattac tacttggtgt tgtggatgtg 420
 atatctaacc ggcaagtgca ccgggtcgtc 450

<210> 14726
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 14726

agcttattat tattgggtta cggcaattac ctgtagtctt tgtgtcacat ctttccatct 60

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<400>	14727
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<210>	14728
<211>	345
<212>	DNA
<213>	Glycine max

tcattaattt	ttttctttac	cttctcttcc	attgttgntt	cttcaatttt	ctccatgtat	60
ctcctcacat	gtcttgtact	acatgttatt	aacatgattc	tgtagaagtt	tcaccgatta	120
aacttgctat	acaagctaga	tttgattgtc	tatggttcaa	atgtctctgt	cttggttcttg	180
aaccatgaat	tgtgataagt	ataggttcct	ttgagtgttg	tcttagtatg	ctttgtggct	240

gaaacctata ccataatatt cttacaataa tatcaaagta tactagactc tcgaatatct 300
agagtgactt gatcacctat tgacgtttgt catataagtc atgtc 345

<210> 14729
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14729

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agaaaaaaga actgaagata atactaagaa ttatcaaagt taattagggt ccatagaaac 120
tacaatcatt cttaaaagta ctctaagccc caccttttgg ggggaacata ttggcaggta 180
tggtcaaata gtgcaagggt gactaagttg tcttatttcg ttattgcagc cattgttgtg 240
cacatgaatt tcttgcaagc ttaattagggt tcttttgatc ttttaacttg aattactaat 300
tgtagatat ataacttttc acctgctttg attgctaagt ctactatggt caaattgaac 360
aattagtcag aattaagtaa ccataatggc tgttttagag tcattacaag tgtgagatca 420
cactatactt acctacctta cacaatatcg ct 452

<210> 14730
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14730

agcttattct ttcttgtacg tgaatttcaa ccattggacca tatgtatata tatagatgag 60
agatcccag ttcaactctt ccattaataa agaattaaca attaacaatt aataactagc 120
atttgttgat aaatatatgt ctcaatctac cattccacca cctatatgga agcacattgt 180
gtcatttgt gtatgtttta aggtgaagct atataaagtt atatgatatt acatcattta 240
tattataatt gaaaaaattt atactatttt ttaaatgaga aataaattct cttaaaaaat 300
gaaaactaaa tataaattat cgtatgagat ttttcttcta taaatagtgg attggtatta 360
cttatatttt gaaacanata ttcagaataa caaacaactt ctacaaatca atgtttttca 420
taccttaagc angcatanat aattgaacac act 453

<210> 14731
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 14731

aactataaaa ctcaagctgg gcccttaatt gaataagtca cgccagaatc cagattgtct 60
 gtttaatagg ggtcccagtc agaaaccata ctccaaggga aactgtggag tttgcatacc 120
 atatccagaa aagggaacaac aatcttgttg gcagtgtatt tagggggtaa cacaccaaag 180
 tgggctcttt ataatagcga tctacaacca ccagaatagc cgtgaaatcg ttggaagggg 240
 gtaagccgat gatgaagtcc acgctgaggt cttcccatat tgacgacaaa atgggaagag 300
 gttgcaaaag acccgtaggc ttcttgact cgtatttagt ttgttgaga gtggaacact 360
 gagcaagata ttggcgaacg accgaatgaa tttgtggcca taagaaattg gcctatagat 420
 gatgaagtgt catggcgaca cccatgt 447

<210> 14732
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14732

agcttctcat attataccac aagttcatca atgatctgtc gctgtttcat aacataaatc 60
 cataataata attaataagg ctgataattg aagtgaccga accattcata aagttcataa 120
 aaaagtacac cctggtttac taagggtgag aataggtcat catttacaaa atcaattatg 180
 atatgacacg ttggctacaa aatcaacagt aatcagacaa aatgaatgat tatataccgt 240
 ctgaagtagt ntgttctctg gctgcatgag tccagcctac aatatatctt tgaatcagaa 300
 tttcatataa tatttgatta acttgggaaa aactctcang aagagaatat gacggaagag 360
 aatgtaaaac gaatattcta tcatccacat tcatactgat tgaaaaat 408

<210> 14733
 <211> 463
 <212> DNA
 <213> Glycine max

<400> 14733

ctcagcttcc cttcaactct tcaaagctct ctgagcctct tctcttctct tgaacccatc 60
 cttcttggtg agttcagtcg atggggttagc tatcttgcca taatgtttga tgaattttct 120
 gtagtagcca gttaacccta agaaccacct cactcccttc acattcattg gggttggcca 180
 ttgaatcaca ctttcaatct tgctaggatc cactgctaca ccagcttggg atatgacatg 240
 gccaagatg tcaatgggtg gttgagcaaa atgacacttc tttttgttgg ctactaacc 300
 atgtactgct aacagttgca aaacagtttg caaatgctcc aaatgggctt cccaatcaac 360
 actataaact agtatatcat caaagaaaac taatacgcat ttctaagca aggggttaaa 420
 gacatcattc atgaggctct gaaatgtcga ggggtgcattc att 463

<210> 14734
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14734

tcctaaatgaa acaatagatg atgggtggaca cttgaccata gtttccttta atcttgtggt 60
 acagccactc ccttggttgac atgggagaca tgtttgacgt agcaacttgg actttgaaga 120
 aatccacac ttggagagac taataacaat caggaataa gtggaggatt gtctcattgt 180
 cttgggttga tttgcaacaa gtatgattat gagaaagggt acgctgttac anaaaaagggt 240
 tagtaggcaa acaatntata ttagataacc ataggaagtg ttaatgtatc t 291

<210> 14735
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14735

gggagagagg aaagcataat catttcttag aatatttana aatatgagac aagaggtaga 60
 gtttcaacgg atgagacgaa aaccagctta atttacaata cgattttcag tattttataa 120
 tttgtagcag taccacctat taggggtggg gtgtgggcat attctcatag acagaaaatg 180
 ggtgacatac gcatgatatg ataagcttac attacgcaag taattttttt ttatatatat 240
 taattatagt atttcgtaaa atgcgctgtg cttttctttt tataactttt aggggtacgaa 300

aatacctttg ttttaagtgc cactagctat accaaaaaat tacgatagta aaatgtgtgt 360
 tttattaaaa agtacgatag taaactttat taagggatat acgagcatag tcttttattt 420
 aataaaacat aaagtttggg tataaatatt ac 452

<210> 14736
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14736

tgacaatata tgtctgaggt aacattccag tatgatcata ttatagcacc attatgaaga 60
 ctctctatct atagttcatg tgtggctaata cacatccata gatagctatg tgtcataccc 120
 taatntcgtc cggagactat tgtttgatgg catgcnaacc ttgggtgacc gcttcgaggt 180
 actttggcac cctttgttgc ataatacgtg aagtttcgag acatgccgga aatcaaaagg 240
 aagcattgta cgcaatccgt gaatttcgta acatgccgga gatcaaaaga aagtntngtt 300
 acgcaatctg tgagtntccg taacattccg a 331

<210> 14737
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 14737

taatgattaa ggggttgtga agcatacaat aattaatgat gggtgagcct tattcttaat 60
 cagegcaata tagtaacttt gagaaaccac gacacactca ataaattact agccaagagc 120
 ttattgttca atgcatatat tctatgtcgt gaacagcttc attttctttt atcaaaccaa 180
 aatgtacttt gtaaagatcc caaaggaact gatggaccat agcttatact ttttgtattt 240
 ggacagtatg atacaccatt atgaaattgt aactttttat tagcatcacg aattgcaata 300
 caaacagca ggggtacata agtcgaattg gtaatttgtg aataaatatc ggcttagatc 360
 atggccatca cagtgtacgt agtgattaat catgcatcat aattgatata taattgacca 420
 ttatgtcaca ttctcctttc tcattgaa 448

<210> 14738

<211> 408
 <212> DNA
 <213> Glycine max

<400> 14738

agctttatta tgttttagaga gagagagaca ttaccatgct tgtgtcacat tgtagttatg 60
 cttaatgtta tattactatg tttatgtcat attgtacact taatattata taatttttca 120
 aataaacatg tgcttaatgt gtgtgtgaca tatatgggag taatatcaac tgatgcaatc 180
 cttagcccca agggcattgg atagaagact ccaagaagat tgggccagag atgcaggaga 240
 aggcccaagg gttttcaagg gccttatgat agatatgggg cccttgggct cagtagatct 300
 tgggcccatt tcatgctcct tctctccttc tacctccact catgttcttc taccttcaag 360
 ctcttatcca tggcttacta tgggtggtgag cttgttcttg aatcatct 408

<210> 14739
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 14739

tatcaaactc aagctgtcga catcggttcgc gtgtatgata tccactcgac aagggttgaa 60
 gtagatgaga cttcaatcc tataacgcaa cgtggcggac aaaaatgggt agttaacttg 120
 aatgaccatt attgtcaatg cggaaggat tctgcgttc actatccatg ttcacacatt 180
 attgcagctt gtggttacgt gatcatgaac tactaccaat atatagatat tgtttacacc 240
 aatgaacaca tcttaaaagc atactccgca cagtgggtggc ctcttgggaa tgaagcggca 300
 attcctcctt ctgatgtggc atggacacta atccctgacc caactacaat tcgtgcgaaa 360
 ggtcggccaa aatcaacaag gataatgaat gagatggatt gggtcgaacc atctgaccac 420
 cgacaaaaat gtagtatatg t 441

<210> 14740
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14740

agctntatac tttgtaccgt aagatacacg tatcattcga ggtgagctat ttggtcaaaa 60

gagcttgtgt ctatacaatt catgaccttc atcatgttct gagttataca aatgattcta 120
gaattcatag aatcatgcaa agatcattat tcacagttag tcattcactc acagagtaag 180
gtcaaactct caccggttnt tgggtcaagc tcttctttca cacttagtct atctagtgc 240
taaccattct attataagtt cacactcttg tgctttcttt gtctaacata cacatatgct 300
caactcatga taagagacac aaactacatc caaatcatgc actcgattca aaata 355

<210> 14741
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14741

ntgagccana atcctgactc accatanacc ttgacccagg gtgttattgt caatccttac 60
cctcggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaaggaaaa 120
tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180
gcaaaaagaa aagaaaggaa aattcccaat caaagaatgg gagaaagtaa aaaaaggag 240
aagaagaagg aaagaaagct cctgatcaag gatcgaaaga aaacagaaga aatgtgcaga 300
gaggtctttg gaccggacaa tatctgaaca atacagaatt gccaccaaat gaacgaataa 360
agaaggaaag ggaaccacga cctanaatag ttttctccct ttgattacca accaaaatcc 420
cgtgcgctag cgaccgcttt tttctcgccc cgcactaaac aaaaaaa 467

<210> 14742
<211> 404
<212> DNA
<213> Glycine max

<400> 14742

atggaggaaa agacagaggg agagaaagat agagggggga gcaccacatt gaaggaataa 60
aagaagtata gaagtggaac tttgaagtat gtctcacaag actctcattc atcaaagtta 120
caacaagtgt tacacatgct tctatttata gactaggtag cttccttgag aagctttctt 180
gagaaagctt ctttgagaaa acttccttga gaagctagag cttagctaca cacaccctc 240
tcataactaa gctcacctcc ttgagaagct tccttaagaa gattcctaga gaagctagag 300

cttagctaca catacctctc taatagctaa gctcacctcc ttgagatgag aagctagagc 360
 ttagctacac accccctata atagctaagc tcacgcccat gaca 404

<210> 14743
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14743

atcaaccagc ttcacaagcc tgccttaaaa tgtttcctgc ctnttttttt acttgatatcc 60
 ctagctataa ctctaaggct agtgaaattt atttcaaaga ggcatgtagt gcattaaatg 120
 cactgtagac tttggatgga cacaacaatt ttccccttcc agccagaggg gaatatcctc 180
 aatttctcat aggcaatcca tatcgattag ctcgacacaa agttgaagct tttctcgtgc 240
 tacaacttta ctcatcatat tcgtaggatt tttatcaatg tgaatctttt ccaacttgaa 300
 gtgttggttct tccacttctc gttgcaacaa atgggtatctt acatcaatgt gatttgtgag 360
 agagtgggtac atcacattct tacttaaatc caaagcactt tgactntcat aatgaatcat 420
 gtaactntcc tgcttcattc ccaact 446

<210> 14744
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14744

agnctctatc tcttacactc tctaggcggg gaagctctgg cgggcatggc ttattcacta 60
 gtgggtggtg cctcctctca cctctgcttc ttgategtcc gatgcattctc cgtgggttgag 120
 tatcaccggt gcaggacctc attgaagctc aaagatccaa ccttcatat 169

<210> 14745
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14745

agctntgact ttattgtgat gcacttagaa nacacaacag cagacaagta taagaaatta 60

tccttttttt attangttgt tggacttaat ggatacaaat acttgtattt gttttttttt 120
 tgtgtatttc atatgcaggg ttggatctgc tcattgggct ctaaaaaaac tattacagaa 180
 tagccttaga gacctatgta gtgtttggga agccatgaac aacatgatca cgttgcaaca 240
 cactgaaatt aagatatctt ttgagacaag tacacatatg gttggacatg tatntaaagt 300
 taccttatac aagagactat ttggcatggt atctaggat gctatacatc agattgctat 360
 taagtttgag tgtgtacatt atgctagcan aaaccattct cgttatggag gtgtcatgat 420
 aactattcac gtcttcaca tgcattgt 447

<210> 14746
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 14746
 tctttccttc ctaagatggt tctctttccc agtccccctc attaagaact agtcctttc 60
 ttctcttatt gcccttagtt gaatacacct ttgtttgggt ctctatttgg gtcttaaccc 120
 tctcatgcaa cttctttaca aactctgacc tagattcccc ttctttatgt ataaaagaag 180
 tgtcaagcgg gaggggaatg aggtctaagg gtgttaaggg attgaacca tagacaacct 240
 caaaagggga tcgcttggtg gttctatgaa cccccctatt gtatgcaaat tctacatgag 300
 caagatactc atcccaagac ttatggttgc cttttagaag agcccttaga agagtggata 360
 aagacctatt cactacctct gtttgcccat cagtttgggg atgacaagtg gtggagaaaa 420
 gaagctta 428

<210> 14747
 <211> 188
 <212> DNA
 <213> Glycine max

<400> 14747
 cactaccgca gctccggcca agctgtgctg aatgaagtgt atcaacagct gttcatctct 60
 agaatgggcg cccatcttac ggcagtacat tatgagatgg tttttgggac aagtcgtccc 120
 tttatacttg tcgaaatccg gcactatgaa cttcggggga ataactacat cgggtactaa 180
 tcaaagat 188

<210> 14748
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 14748

gtgaggggtgc gtagcccacc atcttttcat agtagagtat tgattatgtg tctaccatca 60
 cgattatcgg ctccctttcc atcattggga gtaccacttg ggccgccaga tccctccacc 120
 ttttggggtg gttctttgaa agatccgtcc ccttttttgc aaatgttctg tagttgcac 180
 ctatccagaa ccatatcaaa attgtactaa tactgcctaa caaaggcaac cattatgtcc 240
 ttccaagaat ggactcggga aggttccaag ttagtgtacc aggtaacagc taccacagta 300
 agactttcat ggaaggaatg tatcaacaat tctcatctt ttgcgtattc cccatcttc 360
 tgacaatata tctttagatg gttcttgtga caagtagtcc ccttgtactt gtcaaagtcc 420
 agcaccttga actt 434

<210> 14749
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14749

agctttatgt atatggagta cccatcacat gtggtactag gtggcggtcg ggcgatgggtg 60
 cacaacaaat tattccacat tcacaatgcg cacataaacc caccatccac tgatgcccac 120
 ctccatctga gctcacgtac tcccacgtaa cccatatact cattttctctc aacaccgggt 180
 ccccatcaat cctcccaagc tagcacaaca tccaagcaaa acaacattca aatagcacia 240
 gctatcacag ccaagcaaaa catagcagag gcagattact gtgccaaaac accaaccata 300
 agcacagctt ctctcactta aagaccccag gaacaattcc ttcggtccaa ttacataacc 360
 ggtggatcga ctcaaaaant ttactagaag tctctagtac tt 402

<210> 14750
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14750

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cctcgggaagc aaagaagaag agaaggaaaa tttccaatca aagaaaaaat aagaaggaaa 120
attcccaatc aaagagtggg agaaagcaaa aagaaaagaa agaaaattcc caatcaaaga 180
atgggagaaa aaaaaaaagg agaagaagaa gaaggaaaga aagctcctga tcaaggatcg 240
aaagaaaaca gaagaaatgt gcagagaggt ctttgaccca tacaatatct gaacaatacg 300
gaattgtcac caaatgaaca aaagaagaa aaggaaacca taacctaaaa gtggtcttct 360
ccctttgatt accaaccaaa atcctgtgcg tcggtgactt gctcacctcg tgtcaaacia 420
aaacagaaaa ggagatatcc aaaacacac 449

<210> 14751
<211> 372
<212> DNA
<213> Glycine max

<400> 14751
tactcagctt cttgggttgc tggctttata gaaagtcat tgatttttc tttttgcatt 60
gcccctaact aagggactct aagaatgaga atttttctgg aatgagaatg tgatcaaagt 120
tcaagagttg aagagcgggt gacgacagct ccatgttaat tttgccgacc ctaaagacat 180
ttgaagtgtg ttgcatgcag cgggcaagct ggggtgtgtg atgcaagagg aaatagtggc 240
tatcttccgt catacgtctc tgaattacta tcaactatgac tgactacacg gtggtttgct 300
taagattgag gctttttgcg gtctcgttta gtttcagtgt cacaatctaa atacttgta 360
tcaaagactc at 372

<210> 14752
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14752

agctntgtat gttctanata gcttatcact gcattttttg agaagaacia tattgcaact 60
gcttggttgt tttgtttcaa taatatgcat aatgttgggt acattgaata tggaatataa 120

gtttgtcatg tacaagggtta tgtgcaggct aaaaattaag tggctttcat cgtgccacaa 180
gaatactatg ttagatttgt attagaattg tataactaatg ttagttagat attattcttc 240
ttatatgatt atttatgcat caacatttat tgatatcgac tnttttactc tatatggagt 300
ttagaattga tgaatgaata ttacaggaat tgctacgaaa tagcatagat aatgatgcag 360
attactagaa cacctaagga gatgttcac accattatac caaggatcaa ngttaacaat 420
tattgtgata ttattgtcat tntgattctg atataacata t 461

<210> 14753
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14753

tgtatccagt gtccttgana actgagaatg ccacagtcct tcctttaata tctaattgagg 60
aacatcaaca ggtcggaggg gtctctccaa ttcttgactg ttatgtatag ccgaaaactt 120
ccttgaacat gttgtctcga aatccttggt ctatgtgccg tgtcctgaat ctatgtgcta 180
tgctattttc ctttaatttgt tcatgccacc tatcatctat gggcatgtcg atacatatga 240
ctagcttctc tttattatga tgataaatga gaaacccttc aaagccccct aatttctctc 300
agacattctg acccccatga tatggaccc 329

<210> 14754
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14754

agcttcatct tcttctcgg gagtgaatgt tncctcaact tcctcatgtt cccctccacc 60
ctgtccctat tgcttctca acttctgaa atgtagataa tagtgtcaat ggttctcan 120
tttttctctg taatgtccaa gtctatttgc attggcattt tttgtgaagt gtgatttcat 180
tnttcggtga ggtttactct atttatttgg tgcagctact taaagaattg gagagttaca 240
cttcaatttt taagaataat caatttctat attttggtgg aaaattatga tttgtaaaag 300
tcttatcaat ctgtttaatt ctaatttaag aggaaaatct tattttgagt aattntggta 360

atgttgacat ntttaaaaat agaataattta ttcttga

397

<210> 14755
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14755

gatgattctc tacattaatg tataatgttt tatattatcg agactcatca tgcaaaagtg 60
taaactcgta aatttttaat ttcaattatg acatcattaa ggttaatata taatacttta 120
actgatatta ttaaaacatt cattcaataa ttaacatgta atcaattaat atttatccaa 180
tatatccaat gtcggtgcta atagtaatac ttaacatatt atttcgagcg aattttgtat 240
aattatcatc atcggtattg aatcagatca tctaacatac aatgattcaa catcttaaaa 300
ataaagagat tcattgcatt cactactaca ttcgattcat tatatgagca cactcactat 360
ccttgatcgn cactatgagt acaaaattat cagcgtatac attttcatta ttttgaat 418

<210> 14756
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14756

tgatgagggg gttccatattg ttctcaagac tggactaata gattttctgc ccaagttcat 60
ggtcttgcan gtgaagatcc tcataagcat ctttaaggag tccatattat nntgtccacc 120
atgaagcctt ctgatgtcca agaagatcat atctntctaa aggcttttcc tcattctttg 180
gagggagtgg caaaagattg gctatactac cttgtctcca ggtccattnt cagttgggat 240
gaccttaaga ggggtgttctt ggagaaatta atccctacat ctangtccac tgccatcaga 300
aaagacattt caggcatcan gaaacttagt ggagagagct ngatgagta ctgngaaaga 360
ttcaagaaaa tgtgtgcaag ttgtccccac caccagattt ctgagcaact ctttcttcaa 420
ta 422

<210> 14757
<211> 282
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14757

ntataagtgc gggctctggga gacgaaggtc atgtgttccg atattgaaat gagtccagac 60
ttggattggt acgacatgcc ttctgatttg cgctgggaat tggccatggc aggaacgccc 120
cgacatttac gcaacaatct tattgtaaac ctatccggtt atgaaagctc tatagcgggc 180
cctaggcttt aaagatacct ttgataacg gcaccgagac ttttggatgc gaatggataa 240
tacacggatc ttaattcatc ggaacctggg cattgcccac tc 282

<210> 14758

<211> 213

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14758

tcataactc aatgggattg gcaactnggc tggatttttt tcttcttctc tgatgtatgt 60
tctttatctg ttctcgaata tatcttatcc tccttgtaga tatactntac ttccctcttc 120
tataataaat cttactaact aaaaaactat atatataat atatatcaga ctgcctgaac 180
ctgangtacc acttctttaa ctggctcgct aca 213

<210> 14759

<211> 453

<212> DNA

<213> Glycine max

<400> 14759

tcagaaaact atagaagata atgccacggc ggtcgccctc aattctctag ggaagcggaa 60
ccggtgctac agcccgcaat aaacttgggc cgagacagaa acacgacggt gtaggtcgg 120
aggtatagtc ctcaagccta cccttatggt ttgcctccgg acttcactcc ccatactact 180
ccggacgatt tgagccaagc ccctaccttc gaggggcaac tccctcctta tgctgactat 240
cccctgcaag aagatgaaga aggagatgcc tatctaggcc ccctacttcc cctcaaagat 300
ccggccccc ataaattgcc ccaaccaaac atagtctgcc atgtcccgtc tccactcgca 360
cccgttaaag aatctgttcc ctttgcaaaa gataaaagaa aggttgattt acttgaagag 420

aggctgagag cggtagaagg cctcggcaac tac

453

<210> 14760
<211> 367
<212> DNA
<213> Glycine max

<400> 14760

tctgcatctg tacctgttac tgttgcaaga gtctgtggtc tatgttcttc tgctaatacac 60
catatagatc tttgtccttc tttgcagcaa tctggagtca atgagcaacc tgaagcctat 120
gctacaaaca ttataatag atcccctcag cagcaaaatc aacaacagta gaataattat 180
gatctttcaa gcaacagata caatccaggt tggaggaatc atccaaatct aagatgggaa 240
aatcctccac aacaacaaca gcctgtccct cctttccaga atgttggttg tccaagcaag 300
ccatatgttc cttctccaat ggcagcagca caacaaagac aacaagcaac tgaggcccat 360
tctcaac 367

<210> 14761
<211> 457
<212> DNA
<213> Glycine max

<400> 14761

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acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240
aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300
cctctggtaa tcgattacta aggggtgggtg atcgattaca aggcttaaaa ttgaagacag 360
gaggctaaga tggctctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga 420
aaacgaagtc aggaaactta aggagtctct ggtaatc 457

<210> 14762
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 14762

tgcaagcttt tctattgtac atggatncaa ataacatgta cctagctaca agcataacaa 60
 agaaacctct gtatgtcaca cataactaga atccattaat aaaatgtatt attttataga 120
 gtgagccaag tgaatgggaa gtcattgtcta acctggtttt ctactttcca taagctccaa 180
 cattgaggag actntgaact tgatgatctc gaaagaggca cttcatgaat gtttgcttgg 240
 ctaacaagat ccacaccttg acagcaaaac agatccacac gtggagcttc atctgttctg 300
 gagacaacac atnctataga aacataacca ggaggagcta taggatacca gaagaaaact 360
 tcatcaaacc ctttccttac aatatgggaa acattgtaaa ttgacagggt tgaaagatat 420
 acgactgcat tcttgagata ttctag 446

<210> 14763
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14763

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 cctttttcac cacatctaga atgatgggggt caagtcgtcg ttgtggctgc ctactgact 120
 gagctccatc ctctaaaagt atcctatgca tgcaggtaga tgggctaata ctatgaatgt 180
 ttgctaaaagt ccatccaata gctttattgt gcttctggag cactaacaac aactactcct 240
 cttgctcggc agtaagggag gcagagatga aactggata ttttccttg ccctccaagt 300
 aagcatactt gaggtttgct gagtagggct tcaactctga tgcgggtggt ggatgaatag 360
 cgggaggaac cagtgtgaga gaacaagatg anggttcttc agcctgtacc tcataaagca 420
 tgtcataagt at 432

<210> 14764
 <211> 174
 <212> DNA
 <213> Glycine max

<400> 14764

ttcccaatca aagagtggga gaaagcaaaa agaacagaga gaatattccc aaccaagaa 60

tggaatagt caaaaagaga agaatacagc tcccgtcaa agaaactaca agaatgtgc 120
ataaaggtct ttgaccaga caatatctga acaatacaga attgtcacca aatg 174

<210> 14765
<211> 459
<212> DNA
<213> Glycine max

<400> 14765

ctctagtga cttctcgta tctctcttca tcatgaccgt aattatcttt ttgtgcatct 60
cttcttgctg agccattatc ttgtgcacaa tgctctcaca aaaacacttg aacatctcaa 120
acctatcagg cctcttcctc ttgcggtcct ttgtgatctt ttccactgct agtgccctgt 180
cgctttgctc gtattgtttt gtcaccaatg cgtcaacaac gtttctagaa tccccctcta 240
cttccaactc caatgcatgg tggcccatct tgtcttgctt ctgcagtggg ggctgagtcg 300
tattttcaag atgatgatca ccactacccc cttgggtgata aagctgttca agctcactaa 360
cacaccgata atcgctacta ttactattat tattattatt cttgccgtaa ttaatgttgt 420
tgaaatatct actctcttct tcaaacttct ccttgcaact 459

<210> 14766
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14766

aagtgaatt aggtgcagcc atttccctta gaggcctctc atgatgtgga gggtngcca 60
tgttctcaga atgttcaaaa tcangatgtt caaaatcaca agtaacagaa tgcacagact 120
caccagtaac agaatgctca ggatgcacaa aagggtataaa atgatgccta attaattctat 180
gaaatgtcct atctatctca ggatcaaagg gttataagtc agatggattg cctctagtca 240
tacactacat tcagcatgca caactagttg ccttcttatg caagtaacag tgtaggtttg 300
aactacagct accattaaat gatatccaaa tgacttgaaa ttttgtaagc aaccttataa 360
aatcatgaaa aggtagcaca aaaantttta tgcaaaaatt caaagtctaa ctatggaaac 420
tacctaanga aagtttagaa aaataaaaaca ataaaacttg aaa 463

<210> 14767
 <211> 409
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14767

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 gcagagctat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccata 120
 cctcagatgg tccagccctc agcaacaaca acaacagcct gctccttact tccgaaatgc 180
 tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
 acaacaaca gttgaggccc ctccacaacc ttctctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc agcaagagac cagagcctnc attcatagcg taaccaatca 360
 gatgggacaa ttagctaccc aattgaatca acaacagtcc cagaattct 409

<210> 14768
 <211> 356
 <212> DNA
 <213> Glycine max

 <400> 14768

 gttatgatta tttgaatttc tcgagagctt cctatgttta attttgagcg tctcgatata 60
 ttatacgctt gaatcgaacc tcagtgtaaa aagttatgac catttgaatt tctttagagc 120
 atccgttgtt cattttcgag cgtctctata tgtgatgaac cttaatcgga cctccgtgtg 180
 aaaagttatg accatttgaa ttctctgaga gcttccgttg ttcaatttcg agcgtctcga 240
 catattatgc gcccgatcg gacatccgtg ggaaaagcta tgaccatttg aatttctcga 300
 gagcttccgt tgttcaattt cgagcgtctg gacatattat gcgcccgaat cggaca 356

<210> 14769
 <211> 335
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14769

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 ctaagctcag catgttgccg taagcgccca gtctaaattt cagtcttatt tttctgtttg 120

tgaaaataac ctgtgttaat ctcttgtgtt tagtttacat tttgcagatg gcatccaaga 180
aaagaaaatc tccttctaca cctaccaag ccagatttga taggtccaga ttcacatccc 240
tagaggcttg tgagagatac actgacattg tgggtgcctcg aaagctacta ccacatagga 300
atgtggtagt ttattacaca gagtntgacg agatc 335

<210> 14770
<211> 450
<212> DNA
<213> Glycine max

<400> 14770

ctgcttgtga ggcttctatg gaggctggat cttgagcttt attgggtcct ttaatggtga 60
ttttccacca tggagatgca gcagaagaca aaggaaaata ggtgagagga ggcgccatcc 120
attaaggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180
cttgagagagg atgcttcaat ggaggaaaag aaagagggag agaaagagag agggggagca 240
cgaaattgaa ggaataaaaag aggtatagaa gtggaacttt gaagtatgtc ttacaagact 300
ctcattcatc aaagttacaa caagtgttac acatgcttct atttatagac taggcagctt 360
gcttgagaag ctttcttgag ataacttcct tgagaagctt ctttgataaa acttccttga 420
gaagctagag cttaactaca cacaccctg 450

<210> 14771
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14771

aaaataacat gttagaggaa gtatcccaca atttaagcaa gaataacttc attntggttc 60
acaaccttac tggatatctag gcattagtag gtaacacata cgttntctac tatgacatag 120
tgcatagatc ctaccaataa ttctcaagta ctaattaatt aaataattga aagttgaaac 180
tactactatc atatacattg attagcttcc acaacttgct aaacactaga aactgaaac 240
attcttcatt ttacaaaaaa aatactaata agaaataaaa agacggtgtg gtgttggaag 300
aaccaaaagg tagcaaaacta gactactact cattgcttaa agtatgaaca atcttaacct 360

gaggaagaca atctagtgc caacactggc

390

<210> 14772
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14772

tcattcaatt gaataaagag agctgttntg ctacatctat tagtatcaat ttagagttgt 60
tgcgcttggt taattgggtg tgccctctctc ttccatttag ttattgtttt ttaatcacct 120
cattcatcat tgaccggtac agaaagtcct tgtgcagatt gttttttccc atgaaagcat 180
tttttttagtt catattatta taacatgttg ttgactttga attgaagtaa gtaattggaa 240
aagtgattac tcccaacggt tgtaatatct tttaggttaa actatctact tggatatgaa 300
tgttctctat ttttaagtttt ttgtctatat cattgtcatc aaatatctat caatgttatt 360
tattattaat ttttggttaga aaacttaatc agtcaccttt aatggaatta tttcttttca 420
ttcacatttt tgtttattca caaaattcat acttattta 459

<210> 14773
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14773

gagagtgagt tgtgcccaca aagaaagtaa cttaagaaaa ccaaaatatt agagtccgta 60
gaaaacanaa acaagaatca tcagcatcaa agtgatattt tgagaaatga agagataatg 120
agatatgant atatatacat gtgacttgac ttccaggtga tccaacaact atttggttgg 180
ccaggatcca naattcttga atatggccca ataaaagtga gaagctgtga agatggaaga 240
gaaatagtta taactataat agcctatgct attaaaagtg tgccctgccat agagaaattc 300
tctaacttat aacattggta gaacattcat canacaaaaa gaacatg 347

<210> 14774
<211> 318
<212> DNA
<213> Glycine max

<400> 14774

tgagatgagg aagtgtacaa aggtgaaact acctgctctt attcgttgac cacagagtgg 60
tacctggaga tatgtcgcgg gggtcacta cgactgactg ttacgatcac tctttgtggt 120
tttatatggg tagacctgat gtataggaat atgatgattg tatatatctg gctgaagccg 180
ccactgtgga cacctttgct atgatatgac gctttttatt taatacagct cccctctttt 240
cgtcacctgc atacgacgtg cgcagctatg agccttctta tgctagtaac agagtacggt 300
tgcactctatt atttggtt 318

<210> 14775

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14775

agctntgttg gtcgtatccc accatctttt catagtagag tatcgataat gtgtctacca 60
tcacgattat cgtctccctt tccatcattg ngggtaccac ctgngccgcc agatccctcc 120
accttttggg cgtgttcttt gaaagatccg tcccccttg tgcacatgtt ctgtagttgc 180
atcctatccg aaaccatata aaaattgtac tgatactgcc taacaaaggc aaccattagg 240
tctttccaag aatggactcg ggaagggtcc aagttagtgt accaggtaac aactacccca 300
gtaagactnt cttggaagga atgtatcagc aattcctcat cttttgcgta tccccccatc 360
ttctgacaat acatcttttag atggttcttg ggacaagtag tccccctgta cttgtcanag 420
tccagcacct tgaacangng aggggtgatg atatt 455

<210> 14776

<211> 376

<212> DNA

<213> Glycine max

<400> 14776

gcgatataat tcgttgtaac ccgtcactaa ccaattaata ttatcaacta ctcttttggt 60
taagcaagga aagtgttggt ccaacaaaaa tcatttacgc gtacagcata catcattgtc 120
ataattgaca acacataatg acatgcatgc gtgttacaga ttgagcgtga caacacatgg 180
gttgactata gtacacattt tgaaactatc agtcgctcaa caacacattg ggtgacttga 240

ctacacatta gcgacaacac ataggctgac ttgactacac atttacgcgt gtctatgttt 300
 tcgaaacata gttaaacaaa ggctcgcgtc caaccatgta tatatatggc agactaggct 360
 actaaatcac acatta 376

<210> 14777
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 14777

ctttattgta tcaagtctta tcttatccag atattattct atctagattt tatggtattc 60
 gagatttatt tcacacatc ttatcgatc ttatcttaat tttattgtat ttcgtttatg 120
 ggtgtggact taaaatagat ttgtaagttg tggggccgag gacctatata acagcaccaa 180
 agttt 185

<210> 14778
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 14778

tattaccac aaccaccac caaacctatc tttttttaga ttatgacatc ggcagaaatg 60
 cagttgagaa gagaaagggg cctatgcttt acttgatgac acaagttttc ccctagccat 120
 cgttgtccta ataagcaata ttttgttcca cagtgggaag aagaagatga acctgcatta 180
 caaccagatc caccacacga ggttgagaca gctgggtgacc ccagtttgca agatcatcat 240
 ttgtcttata atgcttttaa aggtcatca tgtcttggga caatgaagtt tcacggatca 300
 ataaatggat tgagagtgtg gattctacta gatagtggga gttcagataa c 351

<210> 14779
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14779

ctcttctaag gacaatagca tcatttctgc actgaattgt tggagtngga agccatcttc 60

tcaatcanat tcctagcctc agcaggggtc atatacacia gagctccacc attggcagca 120
tcaatcatal tcctctccat gttgctaagt cctcataga aatattgaag aaggagtgtc 180
tcaaaaatct ggtggtgagg gcagctngca cacaatttct tgaatctttc ccaatactca 240
tataagctct ctccactaag ttgctgatg cctgaaatgt attntctgat ggaaatggtc 300
ctagatgcan ggaagaattt ctcaagaaca cctctttaag gtcacccctg ctgaanatgg 360
acctgngagc aaggtagtac agccaatctt ttgccactcc ctcta 405

<210> 14780
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14780

tcggaagata gtgatgaggt acaagccctn atgcttactt tattagcctg ngtagtcgaa 60
gagaagttca ggtccatagc catcaaagtc tgaaaagagt atgatgaact aagggatgtc 120
aatatggcca ccgatgaagc cttggaatga gaaaccaaca acgcccgaaca ggaagaacac 180
gaccaaagaa aagtcttgag gggctctata gggcagcaat agtgagctca agctccgaag 240
aggtgaaagg aatcatcacg ggtcaaaggc atgatcttga acgacgagct aaagggttgc 300
cttatgtcga aaagaaattt gtccaacag ttaagcgaga ctgaagggaa tatgtgggcc 360
atcatcgata agtgcaaaga g 381

<210> 14781
<211> 432
<212> DNA
<213> Glycine max
<400> 14781

actcagctca gcacttctgt aggttcaggc ttccatctct ctgatataac tgccatatac 60
tcagccggtta ttaggcctca tgagctttct catatccagc ttactggatt tagtttgggt 120
gacttccctt ttagatactt aggtgttccc cttttatcat cgagattaaa tgtatgtcat 180
tatgtccctt tgctttccaa gattactggc ctgatttagg gatggagcaa gaagtcttta 240
tcttatgcag gtaagttaga gttgattaga gcagttattc aaggaattgt gaatttctgg 300
atggagatth ttcccttgcc gcaatctgtt ctggaccgaa tcaacgcttc gtgccgtaat 360

tttctgtggg gcaaagcgaa tattgcaaaa acaagccctt gggtgcttgg tcagtagttt 420
gttctccgaa aa 432

<210> 14782
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14782

ctcctctnta tttcgttcat tntcgatttc ttttcttccg tctttatcgc gctttttaccg 60
tttatttaag ccgttttctc acctaataaa tgataaaatg aatttcaacc gatcatttgt 120
gttgtaatct catttaatca ctcttaaaat gaaatctaac cgatcgttca cgctataacc 180
tcgggttaaac aaaaaaagta aaataataat aaaataatca aaatatcttg aaaaataata 240
ataaaataaa caaaatatct ttgaataaaa taaaacaaaa aaatcaatcg gacgtttttt 300
ctttggaagt ttccttgaat gaattgatta ataaccaaag tgaaactaag actaaaatag 360
actcacaat caagttntgt ccgaaaatca ctaaaaaccg ttttaaggtc caacgcctta 420
tacggtcctc tntgctttta tcgggttaaca tggaccgttc aaaag 465

<210> 14783
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14783

agcttttttga ttataatcca catcagcaca tgaacggcgt agtcgtatcg agatccagcg 60
ccaataatat aactccgtga atgaaggata tataaccataa ctgtcctgtt tattatctat 120
cggatgagcg aattctagtg aggtctatat cttgaaatca agttatattc attggaccaa 180
ctaaagagcg agagacatgg aagaccctcg tatgaataaa gacaagtcac tctaccaatg 240
tgcattnnga aactgcaatg atctgtactt gcataaagac aantagcttg ccataaacat 300
ctgatatggg tagccttate atggacgtat tggccgctac catattgata gtgacatcat 360
ccaccgttct aacctanatg caaccacac 389

<210> 14784
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14784

ggcgagcaga agaagaagga gaaggagaag agaagttgtn gaggggtgntc ctattctgag 60
 gcacacgatg actggtaatg gtagtcatga tggttcctcc tcccattgat gggggactg 120
 catagagagt ttctagttat tactcttcca taacataatc ttctattagg tggatgatga 180
 gataagatgt tggcatttgc ttcttggacc cactttttaga tgttgggaatt tgcttcttac 240
 accccctatt ttgcttcatg cacgccccta aagacatgaa cagatccaaa taccctgccc 300
 tctcccaagc aagtggggcc caccctaaaac ctccgccaac ccaaacacca ctgccgtaac 360
 tgtcaacacc accaccgaca accatgattt anaaaacaac acaaatacaag ttgttcaagt 420
 canatataaa aaagaggagt aaaactatac cttactctgg 460

<210> 14785
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 14785

tgggagagaa atgttcatct aaagcataca agtccctaatt attatcaaatt cctaaaattt 60
 gagctcctag ggagcaaaac aatgtgtgtc tcctagagag ggcattcagct accacatttg 120
 tatatccctt tttgtatttg ataacatag gaaattgctc tacgtactct acccattttg 180
 catgcctctt gtttaacttg ctttgccctc taatgtactt aagtgattga tgatcactat 240
 gaatgacaaa ttccttggtg acaaagtaat gttcacaagt gtggagggct cttattaacg 300
 cataaagctc tttatcatat gt 322

<210> 14786
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 14786

tcatgtgctt acgatagagt acaacatgaa agtatgtatt acagtcaagc tgtgaactca 60

actcatttct agacatgttt tgttttttct gatttctcat gtagtgtcaa ctatccctac 120
tctaatttaa tatattatgt gttaatactt aaacttctat actttttag attgaatcaa 180
tggcttcaaa tatactacag ggagattgga gaaaaaagtg ggaaacatga gatcaaattt 240
agggagaagg gaactgaatt ctttttaact aaactgaata taggttgaca aaaagggact 300
tt 302

<210> 14787
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14787

ctcaagatgt cgtctatctt tatgatgaaa taagaacctt anaaactaca ttatccaaat 60
ttgtcaatgg aataaataat ctttaacaaat tattggaata ctgtagaagt tccatagaca 120
aatctaaaaa tgtatatgat gggaagggtat atgttcatga tgaggacacc attttttggt 180
attttttggtg aaaacctgga cacatgacat ccaaatacaa ggattatgct aagaagggtt 240
cagccaatcc ctttatggct aacacaaaag gacccaaaaa tatttgggta actaagaaaa 300
atattattgc agttgcagat gtccttgata gtaggaaata gatgcctatc atgggtaccta 360
gacagtggta actcatgaca catgtcanga gaaaagtgta tgttccaatg cctgactccc 420
tatcatgggtg gaacaatc 438

<210> 14788
<211> 181
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14788

tatgtatctc ttcatagagt atggccaacg acattgttct gatgagtcac gtangtgatt 60
gtgcaacgac atcccttctg atatcagggt ttaatcctcc cacaaagcaa tccaatagag 120
cttcttgtgt aattacttgt actcgcataa ctanagccgt gaactgcacg taatatgact 180
g 181

<210> 14789

<211> 205
 <212> DNA
 <213> Glycine max

<400> 14789

tttggattaa ataacaaggg ttctcccttt ttccattatt ctattcaagc tctgccacat 60
 gtccctatct gagaggagcc aaaaggggccc actttccctt tctactgtga cccaccctca 120
 gccacaaaag tgagaaatca tcttacctct gatacgctaa aatcctgcct ccattggcat 180
 gtcacttctc tgattccagc atctc 205

<210> 14790
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14790

ctctgctgct tctcagggtt ttcatcttac agacagcaaa agaaagtnta tacggataac 60
 cactcgggta ttccaccctg tcaacgtgac tcanatgtca gtatgacaga tcttgtgaag 120
 gtggccgaca aaagcgaggc tcttgctcct acgtatcctc caatgaggaa ctcagaccta 180
 cgtagttctt gataacttgt gagacttgac aaagtctcca ccggaagatg ctgacatctc 240
 cggaaggggc gcagatgacc acattggcct ctgctcgtca atcacacttg nggtcactga 300
 atgacgaggt gcggataacc gtaagggtgc tccgcgaact accagctctt gngtcatggt 360
 aacaaanagc ggtgcggctg acaaaagcga acctcttgct cctacttate cc 412

<210> 14791
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 14791

gctttttctt tatttttcaa tgaacaaatg aagtgtcgac agtcattgga tggttgctcg 60
 gtacacgtac atgtaattaa ctaataagat ttctacatg ttatgtataa ttattaagaa 120
 caggcactat gtatatagac ttttatatat aaatcttatt agagttttaa cacaatctcc 180
 actggtggtt gaaacttatt gagaattata agatcagaac aatgactcat caaatgacta 240
 ttgtgacctg ccaaatatgt gatttttaat 270

<210> 14792
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 14792

ctcaagctta tattaattaa atataaagca aatcatagc gggaattgtg ttttatattc 60
 caaagtctga aaatggagat ctttctatat ggagagggga aattccgtct cagagtttgg 120
 agcaaacttt ctaagtaata atttcacgga ttcatatgaa agtactaata atttcacgga 180
 gtaagacgta agattggcaa tccccaaaag ccgtataatt gactactaat tactcatcat 240
 agagctcttg aattaagtct gcagaattta ttatgttgac tagttaaggt gatgaaattt 300
 cgaactaact atagtgatag tactatcttg cttctgcata attcacaag accagcataa 360
 ccaactcttt gacgggtgac ttgagttcta aagttttata tagaaaaaat ggagattgaa 420
 tcttgtggc 429

<210> 14793
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14793

gtgaacctca ggggttecta ttttcgtctt acatagatan tttntttaac aatcacaagc 60
 gtgtgcgggtt tcatccagat ccgactcaaa gcaaatagca tctgatcaa tggcttattg 120
 gcttgaacgt ggtaggggg tagagaccta tgaaagaaan ggatagaaag gctcanaggg 180
 tgtttgaggg ttacattgag taagaaacct tagagcgttg cttgtatctt ttggggttagg 240
 ctctactcct tntgtattat tcagtaatcc ttntcgcaact tttgtgcatt tcttgtnaa 300
 tctggagatg gttgtctntc tttttttct tcaactacct ttggggcgat ntatnnttct 360
 tnttcttttc attggtgcc aacttcatgc atgcgttatt tgcattgccn 410

<210> 14794
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 14794

ctcagcttgt aatgctcgag gcacatgttg tagtaataat cagaagttga tatttgtaa 60
tgtgaatgct ccttgtgagc tgggtgggaa gaaagcttta tgggatgagt tgaggcagct 120
gaaggcttct aatcctagtg gaatgtggtg tttccttggg gacttcaata gcattagaag 180
tgctcacgat agaatcaact tatctcagag aatggcagat ccttatgaca ttgcagcctt 240
taatcacagg attgatgata tggagcgtcc agacattacc tgttatggga atagctctac 300
tcggattacg cctagtggct gtgtgaaaag catgcttgat agcttcttgg tctcacataa 360
ttggatatct ctctggcctg agagctgtca cactgtgcat caaagtaacc tctctgatca 420

<210> 14795

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14795

agctntatat ttctatgata tcgcatgct gcgcttagcg ccaccctcac gcttagcgcg 60
agtaagtga attgggctta gcgccagtct caagcttagc ctggctaaag gcacctgctg 120
cacttagcac actgatctcg cgcttagcgc gcgactttga tgctgatgct ctactagatt 180
ctcctttgcy ttgagcatgc tgaagctacg cttagcgggtg gatatgtgct tggctcaact 240
gctgagctta gcccaattgc taaattttgc aattcataac ttagcgtctt tatcacctga 300
aaaatgcata gacntcatca ttaaatacaa tggaaatgtt ctagagacaa cattaaccat 360
aatacatgat gtatntacaa aaatcactac aaaataacca taaatttggg aactatacaa 420
gctttagaaa atga 434

<210> 14796

<211> 224

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14796

cttctcctta gattcaatgc ctctgctgct tgagcttatt ccacataga gccatgtgtt 60
gaatattgan aatacaaacc aaacccatat actcttaaaa tcatagtga ttacttggc 120

aataggcagt aattaattct ggtctcaaga tacaaaatcg agaaccaagt gcagtatagt 180
 tggcatcacg aggagttact ctgtgaccag ttgtcacgat ggtg 224

<210> 14797
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 14797

taaggaagca gctccattga tatcatctaa tatatgctat gcttaagccc gaataagaaa 60
 acttgtatca caggaaaaga tctaattcaa gttgaattaa ggatcatact gattgtgggtg 120
 gtaaaactgg cttgaagtag ccactctgggt catatcctga ccaggaagtt tgcttttgta 180
 ttaaaacagt gtcgtgctca aactgcta atgtataaaatg agattacaaa tatctaagct 240
 ttctcatga gatcaactaa cagtatccta ttcataatat cacataaata catttatagg 300
 attaccatg 310

<210> 14798
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14798

tttatctgca aacatggatg gtttgcacgc tcaaactcag tgcaatcatg agatccgatg 60
 caccaaatct ggcaataact cagccccaaa tccaatgatt acccacanna aatcatcctn 120
 catctatacc agagagcaac ggaaattaaa cacagaaaaa aagaaaaaga aaaatctaag 180
 ccatttgggt gatacaaatn gcaatgagct caacttaaag tctggactnt agaattataa 240
 ctgccaaatg aatctcagta ctttaaagct gcaactcaag tgctgggagg actgggtgctg 300
 gtgattcccc caacttccgg gttccctctg cttctaacta ccgcatttct cccatgtttg 360
 tagggacctt ggtgattgca ttgttatgtg gaagtagaag tgacanaata attntggctc 420
 attatgacat c 431

<210> 14799
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14799

tgaagctaac agagagtaga gaagcaggat attctctctt gaagctgcga gcnnncattg 60
ataattttta catgtgttca agcttcctta cttgagaatg tctctgaaat tgctgggttt 120
ttttaccata tacccaatat gaaatttctg cttaaatgta tgtctttatg aaaatttggt 180
aaggtgataa tcataaggat taagccatat atagtttaag tgcaagggtc taatgccaaa 240
gtattatttg gaaacaataa ttgtcctcat atcaattaga tacccttctc cagtcttctc 300
ctccttagtt gccattttca tggccacctt acactttggt agacttatat atatcatcaa 360
accacttaga gcacatgcac atgttctatg tgacagc 397

<210> 14800
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14800

ntataagcgc ggggttcagga gacaaaggtc aagtgttcgc gatatgctaa gatgatattc 60
cgagtacttt ggatttggtg cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttctaaaag 180
ctctatagtt gggcctaggc tttagagttt tcattttggt aaggctttgt gtcttctggt 240
tttgaatata taatacaagg atctttcttc atctgttctt ggtctctacc cattctcatt 300
catttgcatg tgtacttctt tttctaagac ggcggatagc atggcgagtc cgccgaagg 360
actaatacct gggacccgtc tatcaacttc gagcaagaaa tgaatcaaac ggaagatgaa 420
ggagatgagg atgtgggac 439

<210> 14801
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14801

tgcttagacg aatgagaaaa ctggggcaaa taaagagggt gaggatgagg gagaaaccca 60

tgttggtgact gccattccta tacggccaag tttcccacca aaccaacaa tgtcattact 120
 cagtcaataa caaacacact ccttaccac caccagtta tccacaaagg ccatccctaa 180
 atcaaccaca aaacctgtct accgcactct caatgatgaa gaccaccttt agcacaaacc 240
 aaagaaaaca ccaaccaaga gatgatattt gcagcgaaaa gcctgtatga ttcaccccaa 300
 attccggtgt catatgctaa ctngctccca tatctac 337

<210> 14802
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14802

ctaagtgtat aaagtatnnt aaaaatatac ataaagatat aattttttta atatgattaa 60
 tgttatagta ttaaataat aaacaaaagt aaactttat tctaaaaata gacatacaaa 120
 aaaagattaa attgtaactt ttatccttat ttaattcata atcagtaatt ttttgtctcc 180
 ctattttttc aatgatttta atcttcacat tctagaaaaa ttataatttt gggttcaattt 240
 ttaaattttt gtatatttta tttctttttc tttttacatt ttaattaatt aaaatatttc 300
 ttgatataac cttaaagtaa taagtaacat ttaggattta attagactaa aataaaagaa 360
 ataaaataaa tgtaaaatga caattntttt aaatataagg actaaaataa aataaatgta 420
 aaattacaaa ttntaaaaat atagggacta aaataaaata aaaa 464

<210> 14803
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14803

agctntgtct atatgtctag tacctcatca ctttgtttcg aagctgtaca ctgattgtct 60
 ctcacaccct ctatatattgc gagccactcc aatccttggtg atcggactct catccactta 120
 tgatatgcgc cgatgatccc attactgac tctctaagct ctatgttctt tcttcacgcc 180
 gcateccatg ccttgcgaaac tcttggaggt accctcgctg tgcggtcact gaaaccccg 240
 gcgatgaaag acgtgatgct ttcgtctgat ggcactctc tcatggggta gccaaagctgt 300

cttatggcga cgacgggatt ataattaatg caacccttt gtcccatcca gggaacattt 360
 ggacatactt cgcatagaaga tagaatcctg attc 394

<210> 14804
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14804

agccccgcga atgtaaccca ccatcttctc atagtagaac atcggttatg tgtccattat 60
 cattgntatc atctccctct ccatcagtg gggactact tgagctacca gatccctcca 120
 cctttgggcg tattctttga aagattcatg ctccctctta cacatgttct gtagttgtat 180
 tctatccgga gccatatcag aattgtacta ataatgcca atgaaggcaa ccattacgtc 240
 cttctgggaa tggatccgag aagggtccag attactatat caggtgacgg ttgtcctagt 300
 aagactttcc tagaagaaat gcatcaataa tttttcatct ttgcataatg ccctcattat 360
 cttgtagtac attgtcaggt gattcttggg gcangtagtc cccttgact tgtcgaaatc 420
 cggcatcttg aactntggag gaataaccat gtcaggcact 460

<210> 14805
 <211> 204
 <212> DNA
 <213> Glycine max

<400> 14805

gatgtgctga caaatatttt gcacacattc cttggctctt tagaatacta atagtgatgg 60
 tgatcgcggc ggtatattac taccggtggg aatttgcag attctgagcc tgaggcctct 120
 gatttgaggc atgcggaaga gtactcattg tcggaaaggg tgtgttccgt tgcgcaagtg 180
 atgctctttc tcagctgtgg ggat 204

<210> 14806
 <211> 99
 <212> DNA
 <213> Glycine max

<400> 14806

agcttgttgt gtttcttact aattcagcga tctctgacac tcgttgaact tttatcttat 60

gcatagtatg actatacagt gtccaacaat attgactct

99

<210> 14807
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14807

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ctaatacact cggcaagggtg atacaccaag tgattgatga cacctaactct gtgttcatcc 120
aagacaggca tatactggat gacgttctta ttggaatgag cttgttgagg aagcaagagt 180
aagtggcatg gaaatgatta tgttcaagggt tgatttccag aaggcatatg actcgatgga 240
tcgtgattgt cttatgatga agacggaaga tatgggtttt cttagacat ggcattgatg 300
aattcaagaa tgctgtaaa ctgcaacaat ttttgggtata ctaaattggga gtccatctaa 360
agaatatgtg tatggtcaag gtcttgggta acaagatcct ttatcacctt tcctgtgtct 420
ga 422

<210> 14808
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14808

ntgagaaagg tgatgtgaac aagcggttac tgtatatagc cttcaataag accccaattc 60
tgagttcatt tctttgcttt ggttgctttc cattgtcgaa gctcttcaa ggcggtttga 120
ggattcccca attgaaggta gaccacacaa ctgaacgtgt gttcaagaac ctggttgctt 180
ttgagcagtt tcactatcca gacaagcctt acttttgcaa ctatgtttct ttcattgact 240
ctctgatata cactcagcta gatgtggagt tgctgggtga gaaagaagtg attgtgcatg 300
aacttgcgag tgatgaggaa gtggcaactc ttgttaatgg tgtatgcata catgttgtca 360
caaactcaac ttgttaccat caca 384

<210> 14809
<211> 356

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14809

tctcttctgg attatctggc tctttaaata atgcattatt tcatacaaaa gttaactaca 60
ctagctagta tgataaaatc attctccttg actaanatat cctcattaaa atagttaaaa 120
tctaattgta aattagtcta aatagtaata tttttgccat agcacagtat acaatataaa 180
ttgttatttt tatataacta aattcataat aataaaaaca ttaatatgta aatcatatta 240
caattaaagt tcataatana taaatatcta gaacatataa attatatgtt agatntacaa 300
taaataatct atattgtagt acaagagtac tgttaactat ntgataattc ttttaa 356

<210> 14810
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14810

gtacagagaa gagtggaagg tgccgccgct ggcaaccttt attaactcca tgagcgtgtc 60
cagcacgagt tccttgagca tctcatctcc ctatggcaaa gcgaggacgt tgatgagggg 120
cttaaggaac tcttcgaact tggaacggaa ccaggagaag tagatgaact cgaatgggtc 180
tcaacagtgg agggagcggc ggcgccggag agtaaagncc cttcagtcct taaatgaatg 240
atacgatatg tttcttcttt tacattcgag taggtaggct attatagtgt ccccttgaat 300

<210> 14811
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14811

agcttgata atgtctatac atgatacatg tcanggctcg gtttggttca aggataaaag 60
ggatgccccca cattatttcc atgacacata tgcaaaaatg atgatttggn aaatttatgc 120
aaaactggtc atgcatgcac ctatgcgaac actcaagtgt caaattttta tggatcatgtg 180
atgctagggc tcangattca ttntcctcta ttttaaatac acccaatggt tccaaaatat 240

gctcttttat ccatttgtgc attcatccga gtccattttg ggcgtccggg gaaatattca 300
cagcattcac ccttcagggtg tatacacatt tttaaaaact agttatgata agtgaatctt 360
ttcaaagaaa atgtggaagt catctctttt caaaagcatg ttggttggtc agcttgacaa 420
catatttttc tcttttctct ct 442

<210> 14812
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14812

tcttgcgtag ccgctcttgg tgctcagaan atcccaaaa catatccctc ttattactag 60
ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attgttggtc gttccctat 120
ttcttttctg caaaaaagaa aatcaaacgc tgtgaaacac atggatgaag tcctaagaaa 180
atcaatatca aagaaaacat ggatgaaatc acaattaaaa agcacaacta cctatctttt 240
agagtccttt ggtaatttg tcttgtctcc ttatgtggag gggtttagct taataatggt 300
atactttcgc cttccaaaaa aaacttatga ctaatcctct tttcattaat ccaattgtgt 360
atgttattgt ataaaagatc atgggttctc cacct 395

<210> 14813
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14813

tgtcttatat ctagtactct catgccacag tgggtgtctt ttagaccaca tataccatct 60
tacagaatat attttatatg aacttgatag gattactcta aatgatgcaa ctgtctttct 120
aattatgtaa catacgtgaa tatcttgaat ctcaatgcat aacatctaata tacacctgac 180
taatgtgatg tgaattgatc gagactcggg ggtgtcacia tgaagttata ccattgaag 240
tcgacacgtc cggaagttga attacacaga actcttgcac agtcaaata gactatgtnt 300
gtttgtctct tgttatcgtg catcccagcg aatatacgat gaatacgtgt actggcactg 360
tgaataacaa ttcaggatca acaaaaggca actgaaagt acccacttcg taatngtcat 420

gtcaccttac tatctacagc ttgagtggat ctatgtn

457

<210> 14814
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14814

agcttgatag atcttgggta gtcaaagaga agttcaagtc catagccatc atagtctgaa 60
gagagtatga tgaactaagg gacgtcaata tggccacagc tgaagccttg gaacgagaaa 120
ccaagaatgc ccgataggaa gaacacgacc aaagcaaagt tttgaggggc tttatatggc 180
agcaatagtg agctcaagct ctgaatatgt gaaaggaatc atcacgggtc ataggcatga 240
tcttgaagga cgagctaaag gtttgcctta ngtcgaaaag aaatttgtcc caacagttaa 300
tcgagactga aggggaatatg tgggccatca tcgataagtg caaagagaag ctaaattctat 360
cggcgactca c 371

<210> 14815
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14815

tattaattag tgccggtcaca ttcaaaaccg tcgccgtggt tctttttttt tatgttggca 60
caaactcttt gactagggtca ccaatgttga agttacggac cttacggtgc aacttggtat 120
cacacactca tgatctcggc ggcaactatc acgtttttcac gtcaaagttc ttacacagct 180
atagttgcaa cgacacaaaag aacatgtgca tttccatagc ttaaaagtcg atgttgcaag 240
agataatata aacaacaaaa ctaagattaa gatgaacgac gtaaaaataa agaacgttaa 300
ctgtgagatc cataacttac ctgtcatgtt agaattaata ttntattaac cettgaactg 360
gaaagtatgc tatgaagtct atctctggcc aattggagca ctcganagtt ctggtcaaatt 420
aacgtttaat tgatta 436

<210> 14816
<211> 389
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14816

ctactatnga attcaaagct gaggatgatg tatgtgtttg gagacttaac ctcaattatt 60
catcaactca aagggtgaatg ggaagggtga gatgcaaaat taatctcata ccactcttac 120
attaangtaa tgctggaaca gtctgatgaa attactttcc atcacatccc ttgtgagaat 180
aaccagatgg ctgatgttct agcttcttta tcttcaatat tcatgataag tcaagaagaa 240
gaagtaccac taataaatat tcagaattgt gttcagccag tgtactgcta agcaatataa 300
gaagaattag acgggaaagc catgggtnta tgatatcaag cattatatga cagataaaga 360
atatectccc acactntaga aaatgataa 389

<210> 14817

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14817

ntagatgaat attcaatgtc ataattatac tttatttaca tttttaatat ttttataaaa 60
tgaacactct acagaagatt tttttaaaaa ttgcattatg catattttct atttcatcaa 120
catctttttt ttacgcaa at aagaaaatga atataataat tattttcaga agttattggt 180
ttgttttagtc aaggactttg ggcatagaaa agataattaa ataggaaaat tattcaaadc 240
ttaattaagt ctagtccaac aaaaatttat cagcgggttt atttagcaat tattaagctc 300
aaactcaaat gtcagataaa tacttggaat ttcacaccac atctactcag ttatggagcc 360
catcaccgat atatagtcaa accaataagt ccttaattca 400

<210> 14818

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14818

naacgcgaat ccattagaac tgccagnnaa nttagnnncg cgcgctgcga tacagtagag 60
ctgccgcgat gcagctctac ccttatgttg ttncatgttg ctgctcgctt atctttggcg 120

atggtgatgg aaccacatgt accatcttgc gagtatccta cattctttca ctgacacatc 180
atgtcgagca tgcttctgag gaatgattcg gtggattatg acgacggatc aaagattcct 240
ctgttcttgg agggatgacc atcgacatga ccagatctac tatggttctg atactcccag 300
gagttctaga tatgctcctc gacatgttct tgcattactc ggaggacgtt catggcgctc 360
tgatagatta tctacactta caatgcacgt ggattgctgt tgatgacact aaattctata 420
gtgtgctcat atgaggaaag acaaagaatc tccttctccc tccgcaggaa tgtctttcga 480
gactagaata cactcgcaac agacctctat aatc 514

<210> 14819
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14819

ntgaatgctc tattcaatgg agttgacaag aatatcttca gtctgatcaa cacatgcaca 60
gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttgga 240
gaaagaatga cagatgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggt cccttcaaac ctttgagcta ggactctcgg atagggctga aaagaagagc 420
aagaacttgg cgttcgtgtc caatgat 447

<210> 14820
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14820

ctctaataac tcccacactg tgtgggggtg ccattcttgg atggccttga tattctcagg 60
gtccacttgg accccatttc taccaactac aaaacctaag ataactatat tatctacaca 120
aaaggtacac ttctctatat ttgcatagag ggtgtttttc ctaaggactg aaagaacttg 180

tctgagatgt cctaagtgat catctangct cctactatac acttaaatat catcacaata 240
aacaactaca aatctaccta tgaaatccct taagacatga tgcataagcc tcataaaggt 300
gcttggtgca ttagatgagc ccaaaagcat cactatccat tcatacaaac cagacttggt 360
cttgagagca gtgtctcact catcaccc 388

<210> 14821
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14821

ntgcggatnt ggtctttgcc agtgaaagga tcgatgtggg tcttattaaa ggcaaantna 60
ntcatcctgc ttggacgaat gagaaaactg gggcaaatga agaggggtgag gatgaagtan 120
aagcccatgc tgtgactgcc attcctatat ggccaagttt cccaccaacc caacaatgtc 180
attactcagc caataacaac ctttctcatt acccaccacc cgatcatcca caaagggtcat 240
ccctaaaatc aaccacaaag cctacctacc gcacttccaa tgacaaacac cacctttagc 300
ataaaccaaa acaccaacca agatatgaat tttgcagcga gaaagcctta gaattcaccc 360
caattccagt gtcctatgcg aacttgctcc catatctact tgataattc 409

<210> 14822
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14822

tataagttac agttaccaga acagtctaag atacatccta tnnttcatgt ctctttattg 60
aaaaaagcta ttggggaata ttctgtgtta ggagaacttc ccaaggaatt agaggttggt 120
cctgttgatg acatatatcc agagaaggtt attgggtcaa ggctgatcac acaggggggt 180
gtctcaattc ctcagaacct tattcaatgg aagaataagt ctagtgagga tgttacttgg 240
gaagacgatg ctgtcatatc 259

<210> 14823
<211> 371

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14823

ctaactacct tgnaanntcc attanchant ccgntgaaan gnnttaaatt aaaaacttat 60
tccanannaa anaaaccgaa ttttaataaa tgccccccaa ccaannaccn naanaaaaaa 120
ccaaaaaaat ttaacaatta ccttctccac tacactctct acccccacct ccaatattac 180
cctttattac cactatcaaa tctatacncc ccttactctt cctacctctc tctctctct 240
ccccacttcc ccctctctcc cactaccatc tccccacttc ttcccccttc tacttcctc 300
ccattccctt atctaccccc ccattcttcc canatcttcc cctacctctt tctctctct 360
ttctctcccc c 371

<210> 14824
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14824

agcttagctg ttatttatgt ttcaagccca aatgaccctt gcatgagggg atgtgttatt 60
cacaatcatc attggctctc tagctaactc gttaagcttt taagattatt ggttcttgac 120
atgttntatt cagatgctct ttgtgggtct atttataaac catatgcata caatgtgaaa 180
tgtttcatct attcttgaaa actgattcct tccataaata gccttaagtc actgttaatt 240
tttctgaaat tgggtccaagc ggactggaga gaggacatta attatgggtca tggttataga 300
ttggaanaat cctttaatat cagaatagtc tccctgctca aattttcatt atgatgataa 360
tttaagtgtc catattgtac attggtttgt tggattgcag aatactttaa cccattcctt 420
ttcaggatca aactgcatat at 442

<210> 14825
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14825

tccctantta ttggatatat aaaaataatt ttttattctt tcattagnna aataaccaag 60
 taagacattc atttattttc gaaatcatca ttttaatgta tttattttct aatactatga 120
 aacccttatt ttaattaaaa aaatcttttt ctttcattta ttttaattttt aaaaactcta 180
 ttaattttta aatnttttta tttaaaaaaa aggggtgtta caaaggaag aatttgtagg 240
 gctctgtgtt cttgctgcaa atgcaacctt gctgcttcag tgcttctttg ctaattactg 300
 gggcattatt ttggttacac tgtttgtctc tcccacgtta atgaataatt tatggcaaat 360
 gctanagaca ctggttagta agaaccttat ttattgatna acaaangaa tgatttcatt 420
 canaacttac ttattatatt tggatatat 450

<210> 14826
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14826

agcttccttt atattatttc tatagaagct agagcttagc tacacgtacc tctctaatag 60
 ctaagctcac ctccctgaga tgagaagcta gagcttagct acacaccnc tataatagct 120
 aagctcacc ccatgaaaaa atacatgaaa taataaaaaa tccctactac aaaggctact 180
 caaatgcct cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg 240
 cccaaacgaa ggataaacct attctaataat ttacaaagat aagtgggctc atacttagcc 300
 catgggctng aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360
 ggcacaatct acccgagtc ttctatccaa tgctt 395

<210> 14827
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14827

cttgtagctt caatgcaagg aaacatgctt atggctatga atctcaaat tggttataga 60
 gttagaaaaa catgaaaatt aggatttgct tgtgagagta tttgctcgaa ttagggctgc 120
 cccatgtttg atacttcaca tagaggcagc gtggaaaata ccttgcaata gtgtgtatac 180

ataggtaaataaaggagtagaaattcctagcanagtgtgaatgaatgtatgatagcat 240
 ggaatgccctcttgaatgaaatgtgtgcaaggatgtaattagctttccgatatgcatata 300
 aataaatatgagagaaacaaacaaaacttgatgggtggacatcacatgtagtaagtagt 360
 ttgtgatagc 370

<210> 14828
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14828

gggagtctcgactgcatgancacgtgtntttaatataccctctgtggacatagtgccga 60
 ttgtagtgaacaaccccgctctttttatgcttctncatttctctgggggggggtcatat 120
 caatggactccaaaaacaaatcactgtgtttacaatggtgactgatgcaaatatcata 180
 ctttcacctccaacacatgtgaacctcatgggttgcatccttcttttatattatcagc 240
 ttccattcacccagccagataatctatttatggattatcaatcagctattcaaatgcgt 300
 caaaccatgtttatattgacgcacaaaacatcgaatcattacggcataatcgattgcga 360
 aaaacacataatggccgttctaacgctgttcacttggatctactcccatcttctgatgt 420
 ttatccaagacgtttcttctgtcaattcatacttaattacaagttgaaatgtgacattt 480
 ttcccacctc g 491

<210> 14829
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14829

aacgnnnacgcgnggatagtaggagttagtaagtattctcttctcgataaatagattgtc 60
 taaaagattatctgatcttgctgctcttgcagtcacttgataacaatgacttttgtg 120
 gatatagcatccacaatcttatggcaatatctcaaaattgcaaaattgt aagtgcata 180
 tgtgattccatgtttggatgtatgatgccacatacaagtaatggagcttatgtgtatgag 240
 cctttatctcatgtatggaatgaataaccagtcctacatgccattcttgtatataaatct 300

tcaattggag aaaaactttg tacgagatta ataatatatg tcaaacattc aactacatta 360
 ttactatggt tctataaatg atattaaacg ggcaccactt ttatatct 408

<210> 14830
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 14830

atagaaggta tgttcctaatt tctctacaa ttgcatcact ctctttatga tctggtgaag 60
 aagaatgtgg catttacctg tgggtgaaaaa caagagcaag cctttgcttt gctcatagaa 120
 aagctgacta atgcacctgt tctagctctt cctgacttgt ctaaaacttt tgagctataa 180
 tgtgatgcct ctggagtggg agttggagct gtattgttac aacgtgggca ccatattgct 240
 tattgtaatg aaagacttca tagtgccacc ctcaactacc ccacctatga taa 293

<210> 14831
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14831

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 ataatgaata agaaaggagg agacgatgga atgatggtgt tcctagacaa aaccgaattg 120
 atggtattaa actcaacatt cctccattta aaggaaagaa tgatccggag gcctacttgg 180
 agtngnagac gaanatagag catgtttttt catgcaacaa ctatgaggag gaccataagg 240
 tgaagctcgc cgccacggag ttttccgact atgctcttgt gtggtggaac aagctacaaa 300
 atgagagagc aagatatgaa tagccaatgg ttgatacatg gacagagatg acaaagatca 360
 tgangaagcg gtatgtgccg gctagttact caatggactt gaaattcaag cttca 415

<210> 14832
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14832

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 cctccnnata caacatactg ctatttttct gaccatagaa ttatcacgc tgtctttata 120
 attttggtt cccaataaat gcacctatct actttctttg aaagtttgac cataaaaatc 180
 tctatactct ctattaaatt tcaacctcta cacatatatg cacttgaatc ggacttcatt 240
 tgaaagtttg accattaaat ttctatgaca ttcttttttaa tttcaacgtc tcatatatta 300
 tcgccataat cgacctctg ctacaattat accatttaat atctcacact tcngtattaa 360
 cttaaactct catatatatc cctaacctta attctgtaaa attatacatt taaattcaaa 420
 cttcttttaa ttcaaccctc ag 442

<210> 14833
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14833

agcttgtctc ttagatgtcc aggaangata aggcgccga agggactagt tccgctctg 60
 agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120
 gatggtcgtt tctccgggag cgacgcgtcc agctcangga caacgagtat actgatttcc 180
 aggaggagat agggcgccgg cgggtggacat cactgggttac ccccatggcc aagttcgatc 240
 cagaaatagt ccttgagtn tatgccaatg cttggccaac agaggatggc gtgcgtgaca 300
 tgaggtcctg ngtaaggggt cagtggatcc cgtttgatgt tgacgctatc ggccagctcc 360
 tgggatatnc attggtgttg ga 382

<210> 14834
 <211> 198
 <212> DNA
 <213> Glycine max
 <400> 14834

ctatgttgga tttaaaattt ttataatctg ttaggaaggc cttaacattt ctggataaaa 60
 taatttcttt actgaaaagt agtttaatga aagacatggc taccattccc gtaccactta 120
 cggcaccaag aaatggcgac tacataacct tatgagcgac cataatactt aatagattaa 180
 agatcagcgc tcacacat 198

<210> 14835
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 14835

agctttcttt ttgataagaa gaggaacac attatagttg gccacttggc tagctagcta 60
 actactaaac tacatctctt gcctttttct tggagccac tatttgtatt ttcttgtcaa 120
 caatcaaaca ctagtttctt cttaagtcg aacagatcat cgaagtgagt ttgtgtgat 180
 agaacaaagt cctctccact acattccttg tctctctagc ttgtttagca aagctgtgat 240
 tagtgcattc ctcttctcag ccctagcttc ttccctaacc ctcttttgtt cctcccttc 300
 tctccatctt tcttccatca ttatcctctc attctccaac acctgcatgg ctgacctaca 360
 ctcca 365

<210> 14836
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14836

accatatctt tgagtaggtt tggcctgttt tttctcttta tcctttgcta gcatatagtt 60
 tgtgagactt tctgantttg atttanctgt tggttccctt tcattctgaa tgggaacttc 120
 cctagagttt gttactcctc ctaaaaactc cacctcaagt tgggattggg ttggttcttg 180
 gatctcaaca acttgaatag ttttcaccaa gattgtcatt tcttctctt taaatacaac 240
 atcacaactg ataaagcatt tagtgaaact caattca 277

<210> 14837
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14837

agcttatgtc tggctagta cagatntgag catatataat actcctaaca attgatgcat 60
 actaaattgc ttccatttgt tntcgttcca tatcatttct aggacattgt gcgagactaa 120

atttgtctcc tttctgaatt ggaacgggtg atgctgagca cttttccatc ctaaactct 180
 ctagtatttt attgatatat gctttctaag acaagcctaa caatccttgt gatctatttc 240
 agaataattc tatccctatc acatagcttg cctcaccat attcttcatt ttatagttac 300
 tagaaagaaa cttcttagtg tctgaaaaaa ctatatcatt agttgcagca ttatcatca 359

<210> 14838
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14838

tggaacagga agaagccatc agcaaagcac ctaagggctt tgttatctat atgctacatt 60
 catattctag acatgaagag gcacaagctt gaagacaaga ctatacgagg tatcttcctt 120
 gggtagtagca atatctctaa gggctaccgt gtctacaact tgcaaactaa gaaactcgtc 180
 atcagtcgag atgttgaagt tgatgaatat gcttcttgga attgngatga agaanaagtg 240
 gagaagaacg ttcttatacc tgctcaacta cctcaagaag aagatgagga agaagaccca 300
 ggtgaaccac cttcactctc caccacacaa caagatcaag aactatcatc acccgagtct 360
 actcca 366

<210> 14839
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14839

tttaagtttc agttgactaa tacttgtaat tagttaaagt taatgaaact tggtagtttg 60
 tcaataattg aacacaattt cagtggtaga gatgaactag tataaatctt tgtaacttat 120
 atgtttcctt gtgtttttct gctttaaagt gacataaggt tttaaatttga ttttgttttg 180
 gaaagttcta tttgttttac aaagtttctc ttcanatgat aactttgttt tgttaaaaaa 240
 agacttgaaa attttctaan accacaattc aatctctctt cttgtgatat ttgcatttac 300
 aatatatata tatatatata tatatatata tatatatata tatatatata tatatatata 360
 tatatatata tatttctaaca actctctcat tgtctaaagt ctaattacga gttgactgtg 420

cccatcaaga atattgctg

439

<210> 14840
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14840

tgcttcanag agatccagta aggataaagc ggctgattga actctgttcc gctcccgaat 60
atgacagcca tcgttttatg agcgcctgagc accagcagcg cttcgaggcc atcaagggat 120
ggtcatttct ccgggagcga cgcgtccagc tcagggatga cgagtatacc gacttccagg 180
aggagatagt tcgccgacgg tgggcacgcg tgggtacccc catagccaag ttcgaccag 240
acataatcct cgagntttat gccaatgct 269

<210> 14841
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14841

ngggcatgga ctgacgctgn acccctggca aantcagccg agtcccgcga tgctctagag 60
atacctgcag gctagctgcc ngctcgttat cttctgtttg cagacataga ccaccgcga 120
cccttagcat agtcatgcca aacgactact ctgcatggtc aacgcccacc atatcatgac 180
tatcccgggc atgacgatag ggaacgacat gccaatcttg gcccccttgt ccacctaaga 240
gatacgtcta cccatgaact accagcgtca aactgcggcc gacatatccc ggactcacc 300
acacccggaa gctaaactga ccggtgatca cttgatacag taaagagcga cgctcttgat 360
gagacgatat gatcttacta tggacatgac tcttacacca ttgtcggatg tatcccatgg 420
atctatcgat ggccgacacc tactcctccc cgatgagagc ccggactttg ctctatcgtc 480
aggcgacatg actaatgaca cctatagtgt atcgcccta 518

<210> 14842
<211> 330
<212> DNA
<213> Glycine max

<400> 14842

gactggaaca tgacctacat ccctatccta tcttattgtc tgtacctcag cagatgacaa 60

tatctttatg ctctggacac agcttacaaa ttctctacag ggaattataa gttcaagaat 120

aagataataa acctgaataa gagtaaata taggggctat gaactacaag gaattgacta 180

cttactccca agggctcgta ccaacaagaa gaatgtcgtt ttccatctta acactccac 240

ttttcctttc cattcccact aattattgca ctgctaatag ttatgaataa cttcttcagt 300

catttaatac tcacaagatt caatatgtga 330

<210> 14843

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14843

tgctttctcat ggaagtnntc ttaagaaagc ttctcaagga agctacctag tctataaata 60

gaagcatgtg taacacttgt tgtaactttg atgaatgaaa gtcttatgag atacacttca 120

nagttccact tctttccctc tnttattcct tcaatntcgt gctccccct tctctcttc 180

ttttcctcca ttaaagcacc ctcttcaagc ttcttatcca aggccattct tgggtggtgaa 240

gctccttctt ccttggttta ttccctagtg gatggtgccc tccctctcct cttctccttg 300

cctttcgctg catctncatg gtgaaaaatc accattgaag gacctcattg aagctcaaag 360

atccaccctc atagaagctc acaagcaagc ttcacatga catc 404

<210> 14844

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14844

tgtattcaaa tgggagatgt tacaatgatt aataacatat tttataacat gatcgtttgg 60

atgtcctaac ctgaaacaac agattntgag cctatgctag agctattatt gacagtagca 120

attgaataag agaagtcagc atttgtaaca ggggcagaag tagacatcag cagggaagga 180

ttgccttgaa gctggagatt gtgaaatgaa taaatgccat caacaccac aactccttga 240

aggaggacct tatgtgtctn ctgagatttc ac 272

<210> 14845
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14845

agcttatacct tatgtgtctg cctccggact tcaccccccg tgccacctcg gaagatttaa 60
gccaagcccc tactttcgag gggcaactcc caccttatga agactatccc gggcaagacg 120
ataggggaagg agataccaat cttggccccc ttctccacct canagatccg tccccccatg 180
aactacccca gccaaacata gtccaccata tcccggcctc acccacaccc gtaaaagaat 240
ctgtcccctt cgcggaagat aagggaaga ttgaggcgct tgaagagagg ttaagagcag 300
tcgagggcct tggcaattac ccattgtcgg atntagcgga tntatgtctc gtgccaata 360
tcgttattcc tccaagtcc anagtaccgg actttgat 398

<210> 14846
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14846

ccaccagct cgcccaggcg agcaagggtg ctctctccag attcaacaac cttctggagg 60
aatcttctgg agggcccaag tgggtctggt tgctatttgc accccctttt tactaaatgc 120
accccttttt ctattttttg taattctttt tccgtaacgt tacgaaactt tacgaatttc 180
gtaacgatac ttattttcct tccgtaaggt tacgaatcct tacggattat gtatttactc 240
ttttttacct ttccaagaag ttacggaaac tcacggattg cgcanaaaca cctctttccg 300
acttccgcca cactacggaa tttcacggat cagccagcc tgcttctttt tggatttctg 360
agacgtctcg ggacttcatt tattgcatgt catcaagtaa taatccctgg acgaaaatan 420
ggtatgacag taccaatata ctcccccaaca atatcactac 460

<210> 14847
<211> 431

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14847

 agctnctaata tanatanttt gaatatccag aagattcatg gtgagccatg atagcaataa 60
 gctagtacat ggagagaaat gataacaatc gaaatccata tatcgaaaag cactaagaac 120
 acaaccgggc aaaagaaaca catattccaa tccaaattca gctcagataa gaagaacagn 180
 aaatagaaag aaataaaaaa tatataaata ctaaccagaa atgaggataa aaggattggc 240
 atatccagca tgagactcaa ggaatggaat ctgctaaagc cctcaaaaga tgaactctag 300
 aataagcaac aaccagagag ttgtaattat ttattgagaa gcaagtagat tcgaatagtt 360
 aacagctcaa aaacgcaata gatgtacagg gtagatgaaa aatanaacat acacactatg 420
 atctgaagaa g 431

<210> 14848
 <211> 444
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14848

 acaaaacttc agaatttgga tattgaccta tatttgttct ccttttattt cataatgggtt 60
 gtcttcaatg aaagagtatg tcatcgactt tatacactgt tctatagaat ataacctggc 120
 aatgaanatc ttatagcaga tcttttgttg ctgcagtggg gtttgcgatt gatgcctcca 180
 ttaatggtga gacagtagga tatgctacta tagtgcagat taatagcagc acagctgatg 240
 gatacaaagt gggctgcagt tcttntaatc ctgcttataa acaaggatcat gatgataata 300
 taactcaaga ttcttctgga ggggacacaa tcccatcagg aattcctgca gtatcggttg 360
 cgtcagttga tgagccctat gtgggccagg agtttgaatc tgaagctgca gcacatgcat 420
 tctataatgc atatgctaaa cgtg 444

<210> 14849
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 14849
 agctaacaat cntttttata gtttgagctt gacctctgta gctagagagg cttcttaaata 60
 agcttgagtc tgacctttat ggtagacaaa ccaagtcgag ccgagcctta catagaccga 120
 gccaaagacc ctcgataagc tgctcgactc attntcacca ctagacgtaa ccaatcaaaa 180
 gttcaagatg tattggaata ataataaagt catcactgaa gtgtgtgcta gttattgagt 240
 aatacacacc aaattaatca attcaatgat aagcattagt cacattaatc acattcaata 300
 caattattaa aaaattatct atattttaca tattcgagat atattacata aaataatatg 360
 agaaaatata ttacatattt tagataaata aa 392

<210> 14850
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14850

cattttctat aattagggggg agaagcgaag cgaattangg tctcaccct taggcacttc 60
 tctctatttc gaatntgcta ggaaaaatcg tttccgtgaa gacaaatcat gccgaggcgc 120
 tttcgaaacg ttttcgtgag gaatttcgcg aagggttcga ccgttcttca acgttcttca 180
 ttcgttcttc atcatccttc gatcttcaat gggtagtac cttcaaccaa gcttttcgat 240
 tcattccata taccctgggt ggtccacatt gtgtatcgtg tatctttatt ctcgtttcat 300
 ttacttttat acaccttctt gacgtgctta agcgcattta tttaagtcac ttctc 355

<210> 14851
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 14851
 cctcatatat tgccgggtcaa aagtctggca atgttttcca gaagcttttt actcatatat 60
 tatacatggt gatgactatg aatttgaagt cagttattgg aaaagtgatt actcccaacg 120
 gatgtaatat cttttaacgt aaactatcta ctatggatga aatacacctt attttaagct 180
 attt 184

<210> 14852
 <211> 297
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14852

 agcttggcat ttgttttagat tcaactngaca ggaacgtctg aactcgacag agtggctgcg 60
 agcgatggca naagattgtg gaacagagct ttcaaccttc cagcagagaa agtgtactgg 120
 ttgatctcct canaagattc atcccgtggc acataaacag gatgaggctn ttcaattcta 180
 ctctcagaca gtggatctaa ttgcattgac attgcaccaa ttacacaccc cattagacat 240
 gctatttgct cattccanaa cccaacacaa aaagtaacta acaagaaagc aaattta 297

<210> 14853
 <211> 320
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14853

 aagcttgata aagtttccac ttcccgtggt accggcaaag agatatttta ttattgtca 60
 accacattgc aattttaagt gtatttttgg aagaagaaaa aatgtttttt taaataaaaa 120
 tattatttct catacacgag tgagaaataa cacaagttct tgttcccctt tntatttata 180
 ttgcgtgact gtgacttagc cgcacatgca acagataagg aagagcaacg tcatgccttc 240
 acttttcaat actgcttga ttcagaanaa ataaagagtg caaatattcc tgttttggag 300
 ggagtggagg tttcacctga 320

<210> 14854
 <211> 517
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14854

 cggggcggct gagccatgca gacngcaagg tgaatnagct ccggcccggg atactctgag 60
 ccgacctgcg gcatgcaagc tttgcgtttc ttcatgatcc attacgacac gagccgcgtc 120
 agatagacat gacggtgctc tcacgggcca cggggagata gacaagaccg atgactctct 180

cagagaagag gatatggacc gcatacgaag aatgtgcccc ttgccttgt actaggtgcg 240
 tggcttcgtg aacaacccca gccaaaggtg atgcctcatg ggctatacac aaccctgacc 300
 catcccatgt gcacctcgcg tagacatata aatggaattt atcctcgcg ttgctaagac 360
 gcaaagagca gtagacggcc tcgtcgagga ggcggagacg gatatcacga aggcacagcc 420
 tttgccatgc caciaagtgg atgacgctta ccaactctga ggacctgtta taacggaagg 480
 acgacattgc tagggggcct atgacattag gtgcaag 517

<210> 14855
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14855

nggggtcttt ttggggctgn antacgtgac nttanaatac tatacttaag cgtctattac 60
 gtcggattat cgcattgtcca atgcattgatt gttgtatggt tagtccaaac aaaatcgatc 120
 gtgacaatta taattgattt tgacaaagaa ctcaatgtgt tatcaatata tatattttct 180
 gttaaactgt atcaaattaa gttactatac tttaatatgt atgaatgagg acgttacatt 240
 caatacatgt ctatatatat atatatatat acatatatat agctatgtat atatatctct 300
 atacatagat actcgaaagc ggaactctag aatgcacgat gaattctcac aagagagaga 360
 atattgatgt gctgataca atcgagtgc caaatttatt gatacaacac catcataaca 420
 tctttctgag tactagatta acacacattt gtctctctga atagaaacat gctctcatga 480
 ttttgacact gcatgcgctt cgcattgtta tacatag 517

<210> 14856
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14856

agcttttaat tattctagaa ttttaagggtc aaccttaaga tgttgccaaa cttcataagg 60
 aaattagaac cttanaaaact acattagcca aatntgtcaa tggaatagat aatcttaaca 120
 aactattang gcactatata agttcctcaa acaaacttag aatggatat gatgggaaga 180

tctatgttca taataagaat actattatTTt gttatntttg tggtaagact ggacacatga 240
cgcccaagtg tagagatcga cctaagaagg gtacaaccaa tacctctatg gctaacacaa 300
aaagacccan aaagatttgg gtacctaaga aaaagattat tcctattgca gatgtccttg 360
atagcagaaa gtagatgcct atcatggtac ttggacagtg gctgctaacg acacatgaca 420
a 421

<210> 14857
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14857

tcattgggaaa ccagtgggtg gaaggcaagg ttggatggtg aatttatgtg tgaaagtcac 60
aatcatgaat tggccaagtc attagttgga cattcatatg ctggtcgatt gactaaggat 120
gagaagacaa ctattgttga tatgacaaag tcaatggtga aaccaagaaa caatctccta 180
acgttgaagg agcacgatgc caatagttgt acaacaatca aacaaatata caatacaaga 240
agtgcataatc gttcttccat aagagacaat gatactgaaa tacaacatct aatgaagctt 300
cttgaacgag atcagtatat tcattggcat atattanagg atgaagatgt tgtatgtgat 360
atcttctagt gtcatactga tgcaatgaag ttatgcaatg catgtaattt ggtgtttttg 420
ataggtagta ccctacaaac aaat 444

<210> 14858
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14858

agctttaagt gataatggtt caaagccnca ctttgagggt gtgtctctgt ttcttcttct 60
gtccatgaaa cttctctgtg tcacttgatg aatgagcccc acttaaaaag tttgaatatt 120
gaggtgaatt atctttctgg gtgtttttca agagagcaag ttcttgaagt acttgggggtt 180
tatgtggaat cctctgtctg gggttatggac gctgctgcta taatggcaat tgcacttgcc 240
aatgganggg tgagttgagc aaattcaatc ttggggagttt ttaatcacta tgggttgatgc 300

tccatagatt atcttttaaat ttttttttat gcaggtgagc cccctgattg gcaagatttt 360
gttggatcat caccttgctt ctcatcaatt cactatc 397

<210> 14859
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14859

acatcaagag cacaacanag aaagtagtga tatagttatt tcttcaaatt atggcagtgt 60
tgaaatgccca caagaaattg aatgtgagga acacaatgtt gttgatgagg gaaggaatca 120
tggtcatgaa caacataagg aagatagaga gaagaagaaa gaaagaagaa atgataatgc 180
acaacacatg gatgattatt attctaaaaa attgacaagt aagttggagc ataaacgcga 240
catgtcaaga gctctatagg aggtttgatg agaacaaagg agttgtacaa ctgcagttgt 300
ggccctttct tttg 314

<210> 14860
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14860

agcttgtgat tggctataca tgatacatgt canggcttgg tttggttcaa ggataaaagg 60
gatgccccac attattttcca tgacacatat gcaaaaatga tgatttggaa attttatgca 120
aaactgggtca tgcattgcacc tatgcgaaca ctcaagtgtc aaatttttat ggatcatgtga 180
tgctagggct caggattcat tttcctctat tttaaataca cccaatgttt ccaaaatatg 240
ctctttttatc catttgtgca ttcattccgag tccattttgt gcgtccgggg ataatttcac 300
agcatttacc cttcaggtgt atacacattt ttaaaaacta gtaatgatca gtgaaatttt 360
tcaaagaata gtnggaagtc atct 384

<210> 14861
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14861

tactaagctn tgaatgctct attcaatgga gttgacaaga atatcttcag tctgatctac 60
acatgcacag tggccaagga tgcattgggag atcctgaaaa ccactcatga aggaacctcc 120
aaagtgaaga tgtccagatt gcaactattg gctacaaaat tcgaaaatct gaagatgaag 180
gaggaagagt gtattcatga cttccacatg aacattcttg aaattgccaa tgcttgact 240
gccttgggag aaagaatgac agatgaaaag ctggtgagaa agatcctcag atctttgcct 300
aagagatttg acatgaaag 319

<210> 14862
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14862

agcttttggg atcttgtcgt tgattggcac accaacggat gcccttgac ctgcaaaaat 60
ttcttgaagc tttgcaagta agtgctccta attcctcttt ccataaccct aaactctttt 120
tcaattntat tatcgggtct tcattcctta ttattattcg ataatttttt ggggtgcttct 180
gaaacaaaaa cccttattgc tcaacgaatg tgtgggtttgg gaagcaatat ttggtagcat 240
tttaagcgtt taaggctact gaaatgtgtc gtttaagaat tagaaaataa gagaggatag 300
gggtggttttc ttattgctat gttacattta tgtgatgg 338

<210> 14863
<211> 277
<212> DNA
<213> Glycine max

<400> 14863

tactaagctt gccgaatagt ttcgccggga aggatgaagt tgttttatat aggcaattga 60
ttatcctgct gtgagaatgg aagcctaagc aaatggagag aataagaagg agagaagacc 120
catgctgtgt ctaccattcc tacatggcca aatttccacc tgctcaacaa tataatactt 180
accaatatca gcccttctca ttacctacca ccctattatt agacacccat catcacaagg 240
ccaccctaata cagcacaaac ctgctactgc atattcg 277

<210> 14864
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14864

nnnttcgggc tggacctaca gctangcann acangggagt tgagctcgta cccggtgtca 60
 cccgagtcac ctgccgcacg cttctttgct tatcangatc gacagtagat gaagatggac 120
 atcatcctca agccttgaag cagcagcaag ctctcactc tcaagaccct gcacactatg 180
 cattacaaga taaaatatgc ttacgaacca tccattgtct tcattctagt gttacagctc 240
 aagcctatga tgtaatccag agattcagat caacatctgc aaaaggcgct tatattctac 300
 aatcgatcat ctcatgtgtg gtttataggt gagttgttac canattgatt ctgcgtaaaa 360
 ctaattctaa cgtgatgcga gtcattgtcg atgttattat tcgtaaaca agtactaaca 420
 aactcagtat aaatgtagct agatgctgga accaaaatgt gaaacttatc gtgatgcacg 480
 taactgggta tataacatga atcaacgatg cn 512

<210> 14865
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14865

tactcagcta cgcatttaac ccnattaaat ataggtgtgg cttatcttta tttaatccaa 60
 ccaacacatt gtgattgtgg tgggaagaca agaataattt acaggaggagg tagcagcatg 120
 gtaaggaggagg agggcaataa cgtaatttga agtggtgtga aaattacttg acaggcaatc 180
 tttgtctcat atgcaataga gttacacca aggagcaca caacacagcc attcccaaag 240
 agaaacaaac acagttgcat tggttgaatt gcaactaata tccgcgcctg tgatcgcacc 300
 ttcatttcan aacctgtcc atttttttct ttctttcttt cgcattcgta gctctatctc 360

<210> 14866
 <211> 137
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14866

tgcttgatgc ttctatangc gangaaaaga gtaatggcgt gggagagaag atgtgcaagc 60
tctctgatga atatgtgagt gtaaagtcaa gttcatctac tacatcaagt tctcaacaac 120
ctactgtgga agaagat 137

<210> 14867
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14867

tgtaagtcac aagtgtttgg tgggtcttct atgataaaaa ccttgggcgt ttctgtatcc 60
tttactcatt tataattgtg caatntgtct ttattatttg gctaaattac tattttgggt 120
tanaactact tccacaatcc atgacccacg caacaaatcc aacttcgtcg aggctgaagt 180
cttggtcgat ggccataatt atgttgtcgc tctcgt 216

<210> 14868
<211> 363
<212> DNA
<213> Glycine max

<400> 14868
agctttctgt tgagacttct ttgagaagct agatccttat ctatgcacac gcctctatta 60
actaaattaa cttccttaaa cataattaca gatgaaaata acgcaacgta taatcaaaca 120
tcaaacataa tgactaataa tatatagata tatatatcac ggtgtgacac tgtcgcccct 180
tgtgacgaat atgtgggggtg ctaatacgtt ccccatgcgt gaatacaact cccgaacctt 240
tcaacttaaag ttcagagatc tcactctttc cggattttcc aacgtgttgc tcaaataaac 300
gttggcggcg actccgcgcg cattcctttc ttggaagacg caccgcgcgag tcacgtgtcg 360
ctc 363

<210> 14869
<211> 392
<212> DNA
<213> Glycine max

<400> 14869

tatcatactc agctggaagg atgcttcaat ggaggaaaat aaagacggaa agaattgtaga 60
gatgggggag cacgagatag aacgaatgaa agagggagag aagtggatct ttgaagtatg 120
tctcacaaga ctctcattca tccaagttac aacaagtgtt acacatgctt ctatttatag 180
actacgcagc ttccttgaga agctctcttg agaaaactta cttgagaagc ttctttgaga 240
aaacttcctt gagaagctag agcttagcta cacacacccc tctcataact aagctcacct 300
ccttgagaag cttccttaag aagattccta tagaagctag agcttagcta cacatacctc 360
tctaatagct aagctcacct tcttgagatg ag 392

<210> 14870

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14870

agcttcggat taatgtgatg aggtacaagc cctaaaggca gagcttgaaa gagaccgagt 60
agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
ggacgtcaat atggccaccg ctgaagcctt ggaacgagaa accaagaagg cccgaaagga 180
agaacacgtg ccagcaaagt tttgaggggc tntatagggc agcaatagta agctcaagct 240
ccgaagaggt gaaaggaatc atcatgggtc anaggcatga tcttgaagga cgagctaaag 300
gcttacctta ngtcgaanag aaatttatcc caacagttaa gcgagactga agggaatatg 360
tgggccgtca tcgatgag 378

<210> 14871

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14871

tgtagaatgg ctagacatga tacatgtcag ggcttggttt gtttcatttg taaaaaggga 60
tgccccacat tatttccatg acacaaatgc aaaaatgatg atttggaac tttatgcaaa 120
actggtcatg catgcactta tgcggacact caaatgtcaa attnttatgg tcatgtgatg 180

ctagggccca ggattcattt cctctatttt atatcaaccc aatgtttcca aaatatgttc 240
 ttttatccat ttgtgcattc atccaagtcc atttcgggcg tccgggaaaa tttcacagca 300
 ttcacccttc aggtttacac acattntttt tccanaaac tagctatgaa ttagcgaatt 360
 ttcttcanag aaaagttgga agtcattctt tttcaaaagc atgtttgggt ttcagctaga 420
 caaactattt ttcttttttt tctccttttt tt 452

<210> 14872
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14872

caaaaaatgc ttgggagtat gtcattggatt gcctaggttag tctgggtgat tgcctttctg 60
 aacagcagtt cgctgagtgc cttcagaagt ntcaaattggc ttgttcacct tggctaattgt 120
 tcgttgacta tgttaacgaa acctagataa tcccacacaa gaaaaaattt attacagcct 180
 gaatgaataa ggtgatgcac ttangcaaca caacaacaaa cgggtattaa aatgttacia 240
 tntttctagt aatgggttatt aattcatgga atttaattgt agnatattnn taattttttt 300

<210> 14873
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14873

agctntgagc tctttttctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
 ttaccctcgg aagcaaaaaa ggaagagaag gataatttcc aatcaaagga caaaagagag 120
 gatagganat tccaatcaa agagtgggag aaagcatata gatnagatag ataattccca 180
 atcaaagaat gggagataga ttataaaaag agaaggagaa gaaggaaaga tagctcctgg 240
 tcaaagatcg aaagaaaaca gatgatatat gcagagaggt cttttgacca gacaatatct 300
 gaacaa 306

<210> 14874
 <211> 382
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14874

tacccatcac atgtggtact aggtggctgt ctgtcgatgg tgcacaacaa gttttccaca 60
tccacaatgc ggcataaac ccaccatccc ctgttgccca cctncaactg aactcacgta 120
ctcccacgta gcccatatcc tcgtttctct ccacccgggt ccccatcaat cctcccaagc 180
ttncacaaca tccaatcaaa acaacattca aacagcacia gctatcacag ccaagcaaaa 240
cagagcanag gcagaaaact ctgctcaaca catcaaccaa aatcacagct nttctctctt 300
aggaccacaa gtacaattcc ttgatccaa ttcgtaacc ggtggatcga ctccaaaatt 360
ttactggaag tctatagtgc at 382

<210> 14875

<211> 239

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14875

ctaagattgg tataacatac gcaccaatta tagaataaat tttgagccaa aacaacaagc 60
acacttncct ttcaacttttt attttctaga tactgatttt tctgccaact tgtgtgaatt 120
ttagtatttt ttccatgtat ctaaatcact tggttctttc tgtataactt gtttcagat 180
gtctaataaa ttcagtaaac atttcagcta taaattcana gtaaccaatt ctcaagta 239

<210> 14876

<211> 278

<212> DNA

<213> Glycine max

<400> 14876

tatacgatat atgtcgacca actttgcaga ccttgtcttt accggagatt gaatctagtc 60
eggactgatg aaaggcaagt ttgaatacgc ctacaacgct ggccccaaca gcaatagaag 120
agccccagtg gtgggcacat ggaaaaagga aggggatacc cacgcggtca ccaactgcccc 180
aacgtggatg ataacgcccc agaatgctca ttactcatal caacacaacc acccgaactt 240
ctcgatccga gccgggagtt cctcccaac tcaagtag 278

<210> 14877
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14877

ctatttagtc ttctatgcca tgctcgatcc tgatgtgtgc gtacgactcg tattaactag 60
 attaacatcc ttgctcatta ttactgatga tacgatgcga gctgatgatc tateggacac 120
 atctttggca ctcaattatg gatatgtact ataaggatta cagctgtgca cgttgtgacg 180
 atgccgtgaa gtgctagatg gcttcctat gcgtgcatac aactaccgaa gctgccacta 240
 atagtccgga gatctcatcc ttccgggct ttacgatgga cgactagcta tagggttagc 300
 ggacgttccg tacgcattca ttccttgat tacactctac tgaacgacgt ttgcgtcttc 360
 tgtctatggg tgcgtacgac actatgtata tccagtgtg aagggcacta tnttctcgca 420
 gttatcccct atattctggt gt 442

<210> 14878
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 14878

ctgaatgcaa cagttcataa tcaacaactt taataatctc acttggatac tgagtttctg 60
 atgcttctat atatactgaa gacatagctt tgtctctata tagcacaaga aaaaaatttc 120
 ttcacctat aaagagaaaa tgaaaccact acaattagtt aattatctaa ctgagagcta 180
 ctattatctt tagctgtgca ttaataattc attgcaagaa gtcgaatttt gaggtttatc 240
 tggtgaaaaa gggaaaggac caattccctg 270

<210> 14879
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14879

agctttatct atgaattgat tatagcctta gtttactct gggtattagt caattcgatt 60

aagaaagaat atccccacaga acaatgtccg aatgattntt ttttattggt taatttaaatt 120
 atattntttt attattatat tattattttg cctctttctg gttttaaacg tggttatggc 180
 atgacagatc ggtcggattt tattccaaca tagattaaaa gatattacaa ctctcatgat 240
 cgggtggaaat atattttatt gttgattacg cgagaaaatg acttaaataa atgactaacg 300
 cacgtcaaaa gggggtacgg aaag 324

<210> 14880
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14880

tgcttgtgga gcttctatgg aggatggatc tttgagcttc aatgatgtcc ttcaatgggtg 60
 attnttcacc atggagatgc agttgaaggc aaaggagaag aagagagggg aggcaccatc 120
 cactagggaa taagccaagg aagaaggagc ttcaccacca agaattgcct tggataagaa 180
 gcttgaagag gatgctttaa tggaggaaaa gaaagagaga agcggngagc acganatcta 240
 aggaataaaa gagggaaaga agtggaactc tgaagtgtat ctcataagac tttcattcat 300
 canagttaca acaagtgtta cacatgcttc tatttataga ctaggtagct tccttcagaa 360
 gctttct 367

<210> 14881
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14881

agctnttata tatccaagat catacaaaag tggtacaaca gaacctaacg gtttctaatt 60
 atatgggcca tcaaattctat catgtgttga cggtaattga ttagcccggtg aatttcctcg 120
 gnggttgtag acacttcagc gatggccttt gctttgacta gtagtcgcgg gaggtcttga 180
 cttccattca aggtcaaggc gaacctatcc atccacatgg tcgcttcttg atgtaatgca 240
 tcaatcacc cccctcttgc ttccttctcg gcgtacgctt gcacaaaatc ttctaactag 300
 ctttgttcat ggggtcaaaga ctggttaact cttccttgta ctgccctatg atagct 356

<210> 14882
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14882

atataaatac taagcttcag accaaagcaa cacataatct aggtatccaa aactcctcta 60
 tttaatggat tntcaaggtt tgagaagtga aattgagaat ggggtaaatt tggagcaaac 120
 tctcacctca cagcagctca taacatcaat tgaaacttgt tcanattgga ttacaccta 180
 aaatttcgcc gaacccaaaa ttgactcctc aacccccaat tntaccctag aaatggctct 240
 ttattcactt tggatcatctg tttttctctc tagcacagcc caaactttct nctaagctct 300
 anatgaaatt tcaagctagg attaactcac ttttaacctc aaataccac 349

<210> 14883
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 14883

gaagctttca atttttctta ttcaatgcac ttccagccac tgcataagatt atacttgatt 60
 tggaacactg acttaataag aagagttaac acgtaaacga ataattgttat gtcgtctaca 120
 taaaaatggt aaggaatata ccttggtgtc acaacaaaaa aataccttgt gtaggacatt 180
 atcatataca tgattttgtg tttctatgaa tttaaaatgg tcaattgctt ctgctatgag 240
 taagcaatct gatatacact gtgtcaaagc caccctaga ccgtcaccta ttaactacta 300
 atatctgcaa accttctgta catacatagt act 333

<210> 14884
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14884

aaaatnanac acttagaaat gcgtcaatta ngtgtacaag ctcagggccc tataaatgaa 60
 atacaaaatt gatttaaacy tattacaata tctacaataa ataaaagtct aacacctact 120

gatctctatt gatggcnctt aattaatttt taaatacaaa ttaacaactg aatcaattgt 180
 cttataactc tagagaatat catgcgtcaa caatcctttt acaaacaatc ttgtatgcat 240
 atacta 246

<210> 14885
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14885

agcttttagct tatctgttgc tgccccacaa agctccacgg aagttgtctc ggcagtggtc 60
 ttccctacaa gccctcttgg tttctcattc caaggctttg gtggtagcca catttacatc 120
 tctcagtttg gtattcttct ttcggattnt cagagctgct gatttggatc tttctttaac 180
 tgtntgggct tgctcgagtt ccaccctaag ggcctgcacc tcttcgtctt cctccggtgc 240
 ctcaacttcc tctcttttag cggttctcaa acttggaagc caatcctaac ctttcacgtg 300
 ggcttttaac cacttatg 318

<210> 14886
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14886

tgagatgagg aagtgttgaa gggtgaaact tcttgctttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggt ggtcaggaga ccttgnggac gtcaggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tgagatatgg 300
 cctctggtaa t 311

<210> 14887
 <211> 113
 <212> DNA
 <213> Glycine max

<400> 14887
 ccttgaatct tcttcatcaa tgatgttact tgcttcttga agatcaatga caacagaatg 60
 gagaatgagg aatgggtgatc gaagacgtca cttcacatat aatatgagtc aag 113

<210> 14888
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14888

ntgaattcaa aaatatgagc cacaatgggtg gtgagactag ctttaaatat gcgttctttg 60
 gaccaatctc tgtttntga atttatctta aaaaataccc atttggtttt aatgaaattg 120
 gtctggaata aaacagataa aattctaaac aaattctatg ttggatccct tgagagatga 180
 ggtcaaatta gttcctatgt gtgacatgca aggcgacttc actggtgtgc aaatagagtc 240
 tagtagtggt tagctntcct tgattgtgag tctctatggt ggtcaaattg aaatgggtgtt 300
 tacaatttat taaactagag agaaattttt 329

<210> 14889
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14889

agcttctcct tcttttctct ataaataggg gtaggaggga agaacataaa tattcaaccc 60
 tcttggtatc tgagaatcac ttanaattag tgagaaanat tgttccatga agaanatcca 120
 agccgaggcg cttccgtaac gcttccgaga cgtttccgtg ggtgatttcg cgaagaattc 180
 aaccgttctt cgccgttctt tgtttgttct tcgtcgttct tcggtcttca accggtaagt 240
 tccaaaatcg aactttcaat ccattctatg tacccttagt ggtccccact tgtttcgcatt 300
 gcttttattt tcatttcatt tactttccgt accccctttt gatgtgcttc agtcatttat 360
 ttaagtcatt ttct 374

<210> 14890
 <211> 326
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14890

tgccccgaga aggaatccac ggaagaaatg cttaccacct ctttagactg ganagcgggt 60
tctaataaat cctctgcggc ctccacatac ggcatanagg atgggcagct caccaagatg 120
tcttcctcgc ctgatatgat gaccagatgc ccattccacta cgaatttcaa cttttggtgg 180
agtgtagagg aaacaactcc cactgagtgg atccacggac gcccacaacag acagctgtag 240
gggggggttaa tgtccattat ttggaagtaa cttggcatgt gtgagggcct atctgtactg 300
ggagatcgat ctctccccta acctct 326

<210> 14891

<211> 356

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14891

agcttaaact ttatggtaga caatttacag gttttttagt tgcatttatg tttagctnta 60
gtgttttcaa ttntaggggt tacaatgtag tgttttagtta ggtcttagag cccaataggg 120
gcaattcctg taagaggggt gaagaccct catttctgct ggaaatcatg atgaacgcgc 180
taagcgtgcc agctgcgctt agtcgggttca tcgcaactat cannatttta gatttccaaa 240
tgatcgact aagcccgacc atgtcgcgct aagcatgttc atccttctga tgagtttcaa 300
tgaagagctc actaagcgca tctacgcgct aagcgagagt agtgtttcag acactt 356

<210> 14892

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14892

ctcaagctta tgcaccggaa atgtaattat gaaattgaga tgcccgaaga ttcactat 60
cctagttaac catgcattag gtaccatggt caattat 120
gateccaaca tgggtggctc gtggtgcta acacatgaaa ctaagaatgt agtgtgaagt 180
ttcacgcttc cccctttttt gtttttgttt tgtagaggaa aacgcaagga tgagcaaaca 240

tganaacaaa tggatgcca ttntgcagat caaaaagttt gttgaacgca tatgcatgat 300
 gatgccatga ctcatgcaaa atgtgaggct ggaatatgat aacggacaaa tgcangatat 360
 gtccattatg atgttatgaa gagatgctta tgcgatgcat gatatgaatg 410

<210> 14893
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14893

agcttcaccg tatgtcgccg atcgaaacatt tctaaccga cgtcatgcat atttcgttca 60
 gggattgaat tgaanactcg ttaggcgaca tctgtcgtga agtagcgacc gatatttttc 120
 agccgacatt gcacaattct ttttagaaaa gctcgctggt cgataatggt ctttttacgg 180
 cagagtaagt tttcttgtn tgggtgtgca taaaaaagtt acaatgtact tcggctaggt 240
 tnttcgtgcy agttcaaccg acattntggt tcggccagga aaacattagc ccacctctgc 300
 anaaaaata tttgctaacc gtcttcatgc atatttcatt caacgaatga atagaaaact 360
 caatagccga caac 374

<210> 14894
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14894

tcaccggatg acgccgatcg aacatttcct aaccgacgtc attcaaattn tcattcaggg 60
 attgaataaa aaactcgtaa ggcgacattt gtcgtgaagt agcaaagat acttttcagc 120
 cgacattgca caattttttt tagaaaagct cgctggctga taatggtttt tttacggcag 180
 agtaagtttt cttggtttgg tgttgcataa aaaagttaca atgtacttcg gctaggtttt 240
 tcgtgcgagt tcaaccgaca ntttgtttcg gccaggaaaa cattagccca cctctgcaaa 300
 aaaaaaata 309

<210> 14895
 <211> 515

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14895

aaccgcggaa gggctgngna ccgcttactn tatagaatan taagcttgaa ccttttaggt 60
gccttaatcc ttgggtggac acatgagtnt ttattaatat atgtntctcg aatggtnnga 120
aatggtnnga aatcaagccc cggccccaat aagtaaataa cgcctaanaa caattttaag 180
aagactttat tttggatgtg ctagggccct tttttttact cttaaataaa atactatagg 240
tagacttttt ttcaaataca tgtgaacttt ttttgtcaac atgtgtcacc ttttttgttt 300
tataaaaagt aatagcacat aatattatgt tagtgggcct aaagcttgaa ctctntagtt 360
gtttactctt ggggcaccat cagtttatta tatagttctc caaatactct gtcagataaa 420
agatgtagaa cataaaattt tgtggtgctt tcacaaatgc agatcanaat tattttgaaa 480
acanttacat attgctaata catgataata aaatn 515

<210> 14896
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14896

agcttgacca ttccctaccc aaccgggca tagtcggta gtgagaacct gtgatgtacc 60
taaacaggcg agcctcctgc agtcaacaga ttaaaggaaa acaagaccac anagccagga 120
ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat gtggatgggt gcctctggtg 180
atcgattacc aagggtgggt aatcgattac aaggcttaaa atngaggaca ggaggctaag 240
atggtctctg gtaatcgatt accaaggggt gtaatcgatt accaggcttg aaaacgaagt 300
caggaaactt atggagcctc tggtaatcga ttaccagcct gtgtaatcga ttacacagag 360
gaatgggtca ctggtaatcg attaccaggc atgtgtaatc gatacacagt gtattattgc 420
atatttcattg 480

<210> 14897
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14897

gtaaaactaa gctaaaaagt cttagatggg agtgggacca gnccatacat tcgttacctg 60
caatgaacaa cgaagcactc gagaaattca aatttcataa cttttcacac ggaagtccgt 120
ttcatgcga taatatatct tgaccctcga aattggtcac cggaaagctc tcgagaaatt 180
caagtggta taacttttct tacggaagtg cgattcaggc gccatatata tctangtgct 240
agaaatngat caccggaagc tctcgagaaa atcanatgga cataactttt caatcgcatg 300
gtctgattca ggtgtagaat atatcgagac gcactanatt gaacaatgaa agctctcaa 359

<210> 14898
<211> 151
<212> DNA
<213> Glycine max.

<223> unsure at all n locations
<400> 14898

acctttcatt cttaacatg ttacatata aaacacgctc anaagtcaca ctgactatca 60
aaagggaat aagaagtgcc aattaactct gtttgagata ccacactgac tagtgatgtg 120
gccaaagtgg tnggtattag tataatacac t 151

<210> 14899
<211> 183
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14899

tactcaagct ntttggagta gaaacatggg accaactcat tntatttcan aatatgaagt 60
cgtatctagt caaggctctga gagaccatac aagtttccta acgatttcta attatgtggg 120
ccattaagtc tatcatatgc tgacaatagc cgagaagccc gtgaatctct tcgggggagg 180
agt 183

<210> 14900
<211> 293
<212> DNA
<213> Glycine max

<400> 14900

tacaatgtaa tgttttagtta ggtctcagag cccaatatgg gcaattcctg taacaggggt 60

gaatacccct catttctgct ggaaatcatg atgaacgcgc taagcgtgcc agctgcgctt 120

agtcggttca tgcgaactat caaatgtcta gatctccaaa tgatcgact aagcccgacc 180

atgtcgcgct aagcatgttc atacttctga tgagtttcaa tgaagagctc actaagcgca 240

tctactcgct aaacgagagt agtgtttcag acacttacia acatttcaaa att 293

<210> 14901

<211> 228

<212> DNA

<213> Glycine max

<400> 14901

ggaaattgta ttatatttca aactttttaga atattattta gacaatgaca agatattatt 60

cttatcatta taacttaata cgtttagtaat ttggtttttaa gatcaaaata taacgttaat 120

atttgaattt ttgttacatt tatctttata aacaaaacta atgaataaga gttctacgaa 180

ctcctacaca taatacatct cttgtttctt ttacatatat ttgccaca 228

<210> 14902

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14902

agctttttgga ttgatcaaga agtgcccttat gaatcctccc gtgcttatgc caccagtacc 60

tggaaggcct ctcatnttgt acatgacaat cttggacgag tcaatgggggt gtatgctggg 120

gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180

gacctatgaa atgaattact cgttgctcga aagaacgtgt tgtgcttttag tatgggcac 240

ccatcgcta aggcaagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300

ggttaagtac atctttgaaa agccagctct caggggacga atcgcccggt ggcaagtcct 360

gctatcncga attgatatag tctacgtca 389

<210> 14903

<211> 417

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14903

 tgttgaaccc tataacaaga aattccaaga gttgaaactc ctatcaactc anagcccttt 60
 ggtaacccta accaagatta aaacctacaa agaaatcaga attggataga atacaccttt 120
 agtatgcaga ttacaacttc ttcaagctnt atcaattatc aaaccatgat gcagattgca 180
 agatcttttc tatgttgata atcatcatca ctcttggaat atcctcatga tatcttcctc 240
 tcaataagtc acgaaattgg aaaacaattt ggaagcttag agactcgttg canagaaagc 300
 tatttataaa gaatctacta tataacatat aatcgattac gaccattntt ataattagta 360
 aattcctaan agtagatatg gatttctatc taagatcaat gtaatcgatt acatata 417

<210> 14904
 <211> 346
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14904

 agcttttctat ctgccccacc aacttcgcga ccaaagaaga ctctcttttg tacaattgga 60
 ggaagaccat tattacctcc atagttatca acttctataa gccagaagtt gtgatccggg 120
 tttttcaact ntactcggcc ctgagaacaa agtgaccaa caatgaaaga taaggaatac 180
 attcttgcaa tagtatccgt tcaataaatg acaagaaatt tcattcattg taacacatct 240
 gacttcataa gctaaaaaat aaaacgactc tggcaagcct gaatganaac aaatggggaa 300
 gacaaggggc ccatatgaaa naagtaaaac gatactcaat gaatta 346

<210> 14905
 <211> 297
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14905

 tctccctttg agtntcttca ttaactcctc tattgttatt tgcttcctc tctcttttaa 60
 tctgagtcac ctctatgtca tactgagtgt acacagagac aaactctcca attgccatgc 120

tacaagcccc agcaactaat cctgcaaaac cagcaagaag catggcactg atgtctntct 180
 taacagctcc aacacccatc atcagtgaag caacagaaac caacccatca ttagctccta 240
 aactgcagc tcgaagccac tgggcccttt gagagtaatc aataatgcta ctactct 297

<210> 14906
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14906

agcttgtaac tcttggcaat ttctttaaaa ctagtcactt aaaaagttat gacttttgaa 60
 agaatcttca caaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcagaa 120
 tcagtcactg gtaatcgatt accattaagg tgtaatcgat tacacatcaa cagatgtgac 180
 ttcatTTTTga atgttgaaaa tcttaacatt ntaaaacact ggtaatcgat tacatgatta 240
 tggtaactga ttacagctct gtgaatcagt ttgaaaaaaa tgctggctac tggtaatcga 300
 ttactacctt ctggtaatcg attaccagag agtataacac ttt 343

<210> 14907
 <211> 227
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14907

atatatgtgt gtgtcagact tcanaaagta tgagagagat attctaagag aacttcattg 60
 tcanatgctc tctcaataac tcttgggcaa atacttgcaa atctattgag agttcatcta 120
 ngaaaatcaa attgtatatc cactctaaag gagagaaatc tctctattca tctcagaaag 180
 taagttgtaa tcaagagact ggtngtctct tgaatngtga gtttcat 227

<210> 14908
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 14908

agcttctaata tcttggtgta tagaagatcg aaatttggtg ttacttaagc tgatgggtgt 60

tccagatctc tcttcctagc aatattcctc gatttcacca agatccctga gttgtcttca 120
 aaatatcgat ttgaagcttc caaatcttca gaatgtcaga acttacttgc tgtgcttgcc 180
 attaatttct taaaacgtca gaactgttac tgttgacact atgcacattg ttggacaaac 240
 aacctatatt gtgctcacc ctaaatagaa gggagtgttg aaagccccac atgacgggtt 300
 gccatgggca aaaagggaca tgtcgaagtc ccatatcgac taaagataat gctgaaataa 360
 actatataag tggaaacaat cctcacctac agccgggttt gtggattgat tggctcaaac 420
 c 421

<210> 14909
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14909

tgacaagata ctagaaagaa cacttttaca ttcatatctc atgtgtttta tgtntacatt 60
 tatgtaaaaa cttactataa tttactggag gcttgattct actgctcaat tttcacacaa 120
 gaatattctt tgtaataat gaaaacatct actgtcatct ttaatttatt tttattcata 180
 acgtttactt acttaaattt aataatttat aagatactct aactggaagt tagttgcaat 240
 ntatgggttaa ttntacttag tgttgagtnt atctttatca ttaattgtta tttcaacaat 300
 gacttgtaat tctcccta atagtttagt aagcaattcc atttccatgt aaaactc 357

<210> 14910
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14910

agcttgtntt cttttccctt catctcttcg gtgtggcaag cttgttttct tttgtgttag 60
 gaagtctcac atcgtctgcc tcagtctttg tgggtgccagt tatatatctg ttggaccaac 120
 ttcacttaat gccaatgat ttaagatgaa atctaactg atatcagagc ttatagtccg 180
 tcttagtttt ctctaccatg tnggttgaaa aagcagcagt acctgagatt ntcattcagt 240
 tgtttgtctc ttagaagagc acctacatac tactaatctc attaacagtt aatc 294

<210> 14911
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14911

tataacttata ttatatattat gtgtatgtac actaagttgt agttaacatt taatatctaa 60
 attntattat gtatttagtg taatagacaa aaaggaagca cttagtgtga ctattacgtg 120
 atgcactgga tgtccactat aatcttanga acttttatga ataattggga aacgttaatt 180
 atttatttca aacaacattg attctgttat aattgggtatt acattattaa cttatgttgt 240
 attttatcat gccagatttt aatgatgtt 269

<210> 14912
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14912

tgcttgagtg taacaatgac tgtgaggttt tgggtgatga tccttccatg atttcaatca 60
 tgcttactag cttatttcag ctatgactct aatgtgtatg ctccatctt tgaaaagctg 120
 catgcttggtg agaagtgatt gatttaagca ttccatgata ttcagttcat atggttgaat 180
 tcctttatga atcagacacc attttctttt gattgaccac tgtctttgtc acttgatgac 240
 aagtgaactg ttctttcttt gcttcaggac aagcaaaact gtaaatntgg gggagtntgt 300
 tagtcgcctt atacgactaa catttgat 329

<210> 14913
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14913

tctgagaacc gctaaaaggg aggatgttga ggcaccgaag gaagacgaag aggtgtaggc 60
 tcttangaca aaactcgagc aagctcaaac agttaaaga aagggtcaaa tcagcagctc 120
 tgaaaatccg annagagaat accgaactga gagatgtana tgtgactacc accaaagcct 180

tggaatgaga aaccaagagg gctcgtaggg aagacatggc tggaacangt tccgaggggc 240
tctgtggggc agtaacagcg agcttaagct ctggaaggag gaaagggacc aatcgcgaga 300
agaccatttg atcttg 316

<210> 14914
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14914

cccgggatcc ttaagtcacc tgcggcatgc aagcttaggg tttcttgctg tgatttgcca 60
ccaacaaatg ccccttgacc ttgcaaaatt tcttgaagct atgcaagtaa gtgctcctaa 120
ttctcttttc cataacccta nactctttnn tcaatttatt atcgggtctt cattccttat 180
tnatattcga taantttttg ggtgcttctg aaacaacaac ccttattgct caacgaatgt 240
gtggtttggg aagcaatatt tggtagcatt ttaagcgttt aaggtcactg aaatgtgtcg 300
tttaagaatt agaaaataag agaggatagg gtgggtttct tattgttatg ttacatttat 360
gtgatgggtc tca 373

<210> 14915
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14915

gcttgccgan tagttttcgc cgggaaagga ttgaagtggg tttgagaata ggcttatttg 60
attatcctgc tttgatgaat aggaagccta aggcaaattg agagaataag aaggagagaa 120
gaacccatgc tgtgtctacc attcctacat ggccaaattt cccacctgct caacaatatt 180
aatacttagc caatatcagc ccttctcatt acctaccacc ctattagtta agaacaccca 240
atcatccaca aaggccaccc ctatatcagc cacaaaacct gcctactgca tattcgatac 300
caaacaccac ccttaacac 319

<210> 14916
<211> 368

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14916

tctcgacccg ggatccttaa gtcacctgcn gcatgcaagc ctgtattaat ttgataatc 60
aagaacaact tgctgcacat cttcggtgtc gatatccctc gacaagggtg agtagagaga 120
ccttcacctc atacgcaacg ggcggaacaa tgggcagtag ttgatggcct tatgtcaatg 180
gaaggtttct gccttactat catgtccaca tattgcaactg tggtagtgga catgactata 240
catatataga tgtgtttacac catgacacat ttaaagctac tccccagtag ggcctttgga 300
tgaacggcat tctctttgag agcatgacac taatctgacc actacattct gcaaagtcgg 360
caaatacac 368

<210> 14917
<211> 350
<212> DNA
<213> Glycine max

<400> 14917

tgaagagaga tccttgttct agtttaattg attaccaatt atctcgtatt cgattacata 60
gttttagttga gaccatgtgt tttcatgagt ctctatttta atccattatc aggtgatcgt 120
aatcgattac tatgttcttg aaagtattcc aaggagtgat caagaacact ttaatcaatt 180
aaatcaagaa tctaattgat tatattatc ttgaaagctt tctagatttt gggaagaaca 240
ctttaatcga ttaaaatggg aatctaattg attacttctt cgagaaatcg attaccttgg 300
caatctaatac gattacaagc agttataatt gtttttataa atagcacctt 350

<210> 14918
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14918

agcaacgatac tgcatttact tattacacan ggccacaggc gcacaagtgt actgaccacc 60
cactgactat tcgcttggtt tgtggttcac ttctctgcac caattatggt catgcttaaa 120
tgtctctatc tgaaaagagt gtctaacttc attctttgca tagtaaatat cccaatcaca 180

taatgcgctt ctagcatttt gctctaacc cctgtttatc attcttcttc cactagaact 240
 ccctgcccgt caatatgcta tactccctta tcgcagatct aaattcatct agagtatcaa 300
 ctccatccta attccaactt ctgtcaccaa ctactcttt gacatattga gataacttaa 360
 catcctctat tatc 374

<210> 14919
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14919

catctacctc ttgaagaggc agaggtaagg gcatattgat atgtgggtta tgtanacgac 60
 ggngagatca gacactatta taaaatacac tttcaacatc gggtatttgg ggccttctac 120
 atcggtagta aaaccgatgt tgaaagcatc catgatgaat gtattgttgt taacatcggn 180
 tttaaaaact gatgtcaaca taaagaaata acatcagttt tataaataaa cgatgggtctg 240
 aagaaagaac tacagcaaaa taagtgtatg cgtgacggac gttggcatct gttttctgta 300
 aaggcccatg tgaatatggt atatt 325

<210> 14920
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14920

agcttctcct tctttctcta taaatagggg gaggaggga gaacaaaaac gttcaaccct 60
 ctcggtatct gaggatcaact tanaattagt gagaaaaatt gtttccgtga agaatatcca 120
 agccgaggcg cttccgtaac gtttccgata catatccgtg ggtgatttcg cgaagattnt 180
 ccaccgttct tcgtttgttc ttcgtcgttc ttcggtcttc aactagtaag tttccgaaat 240
 caaacttttc aattcattct ctgtaccctt ggtgggtcccc actatttttc cggactttta 300
 ttttcatttc atttactttt tggacgcctt tttgactagc tttaatcatt tatttaagtc 360
 atcttctcgc cttatcagac ataaaataat attccactga tcattcgtat tg 412

<210> 14921
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14921

aaccggtgag agtgtgatct taaactgtga gtgatcgacc tgctntgact aatagtcnt 60
 gcatcaatct ctgaatttta gaatgaaatg tatgaatgag gacatgatga aggccatgat 120
 tgtatagaca aaccaattga ccaaaaagct taccttgaat tataattgta tcctttgcac 180
 cctttgtgag cttaaattaca ttttcaaaat tgaaccctga acttgaatga atatctccag 240
 ataccttggt tagattctag gagagcagat agttc 275

<210> 14922
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14922

agcttgagct ttattttacc attgatgcca actataatgt gatggtactg gtcaatgagc 60
 ttaactaatg gaaaactgag atacagtagt gcctacttca tcctcctacc ctggcacttc 120
 ccaccttgaa tctaagcaaa aagaaaagaa attcgcatta cctctgatag ttttgaaaat 180
 ttagtcaaga agcatgatat tacagtctct ntcaactggt tgtcatccaa ttgtactgct 240
 gacattatct tcatagctga aacatcatct tcttgagatc cataaattat gttctctgat 300
 tctctagaaa cagcctgcag cctgacatca tcaatcaact caagaaaagg atctacctgt 360
 ggatttacia cactaattaa tttaactgat catta 395

<210> 14923
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 14923

ctgagctggc cttagttgat cccaagcggg ctaagaggtt tgtctatatt tcacaaaata 60
 aatagtgccg gttaatattg ttgtaattct aaataggtag atcaaaatgg attcaattgc 120
 caatgtctta tgtttgagtc ttgtggatgg aaaaaacata gttggagggg agaaccacac 180

taaatgtggc cagccagttt ctccaatgaa gattagtaat cggcaaaacc gttagatact 240
ccataccaat aacgtgattt gattaaaaaa atggattcaa ttttcttaaa aa 292

<210> 14924
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14924

agcttttcat gatgtgagct naacaccnac aagggcgcggtactaagct ctagctattc 60
accgaagatn tcgcanagaa gcttctcaag atagttttct catgaaagct tatcaaggaa 120
gctatctagt ctatacatag aagcatgcat aacacttggt gtaactgtga tgaatgatag 180
tcttacgaga tacactncag agtgccactt ctgctcctct tttattcctt caactttgtg 240
ctccctc 247

<210> 14925
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14925

tactcaagct aatcatgtga gtgtcgtagg acatctccca attcaattta atttctctcc 60
caacacacat canatagtgc actgaatgca tgtgaaatta taaaactacc cctaatacaa 120
aactacccca naaataatga aaccctaata taatatgtac aaagataagt gggctcatac 180
ttagcccatg ggccaaaatt ctaccctaata gccttcttca gcagctctag cccaatattc 240
ttggagtctt ctatacaata cccttgaggaggaggattaca tcatatgtgg atattattct 300
tgatagttaa atatgccaat gatggacaaa gtct 334

<210> 14926
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14926

agctttgtac tttcgttcaa ccaaaataaa aactataaac tgaaatttaa aagctgaaat 60
 agaaacataa atctaaagac tgaagcataa acataaatct aaattataaa atgtactaaa 120
 gacatgataa taataaaact tttcaaaaca cagggaaata aaaatcatga tctgtcaat 180
 gatcctgcat agagtccatg gcatgctcat tcaaateccag tgcaagagtg cctgatgatg 240
 aatcctaagg aaggggacang tctaactctg gtgcagatga ctgangctga gaagaagaca 300
 tgtccagcac tacagtggaa ggctctggtg tcacaggtgg ggtagttgct actggatcaa 360
 tctcanaaat g 371

<210> 14927
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14927

tgtaatcgat tacacacata ctgtaatcga ttaccagagc atattttcag aanatattct 60
 caacagtcac atctttntat gtggttcttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacat gaatttgaca agagtttttn tgaacaaaaa ggtcttatcc tcttaaaaag 180
 aanaatcggt ttatcctctt acaaattcct tggccaaaac acttggtgatt caataaggaa 240
 ttatttgagt gtccaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300
 ttcttcattc tg 312

<210> 14928
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14928

agctttgact atatatgtct gctgggaagg gtctgatctg tgaattgaat gggatgatgaa 60
 cacatggat gagaggatga ggaggcaaga tttgagagcc tgagttcaag aactgatgaa 120
 tgtggttgaa ctgtcttgga tcacgggtcca ctganggtgc aatatatgga gcatatgtgg 180
 tgaacattga tgggtgtagca gaagatgagc cacacaataa ttgagagccc gatgaatgta 240
 atgactaaca agattggatt tgcacaccat tgttgccact gcttggatta ggatctactt 300

<210> 14929
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14929

ctctccccta acaaatgaac caacttcttt aagatanttt atctacatcc acagcaagat 60
 gctcgaaaac ctcatatcatg tcaagtaacc gaaaacattt ttctggtgtg tgtgttccca 120
 ttgccacggc ctccaccataa ttcaagagat gcagcatgaa actctgagaa atttcagata 180
 agcagcattg ataaaaggat ccaaaatcac caaggatttg ctcacacaat cgtttctcac 240
 tgacgaggtg caccggaaca atgatcttca tggctcgaat ccatttcttt atctcgttgt 300
 tcaagcaatg ccaactccagt tttatcacat ctttcattct taacttt 347

<210> 14930
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14930

agcttgtgat taccatgat attatnatng gccatggaaa cacaactgtt tgccatcatc 60
 gagagattct ctacaaactc ttgttccaaa cgaacgaagt taaagatagt cttttcttta 120
 tgtgtaatta ataacaaata tattgatcga accggtccaa aagttggata ggtagctgca 180
 tacacgtatt actcttacia ttaactagag gcatggattt aacgtgccaa aaacaaatca 240
 cgcggcagat aagtgggccc ccactaaagg aatcttgaga catctttaag ggtattgcta 300
 ngggcaccca gcaacattgc aggtacaccc agctatcttt cagatacctc caaatacccc 360
 tcaacgtatt ttttgtacia aagctgggtg attattttt 399

<210> 14931
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14931

nttgcaagct ggaatcattt atcttatctc cgacagccaa tgggtgagtc ccgtccaggt 60

agtgccgaag aaaaccggcc tcaccgtgat aaaaaatgag aaggaggagt tgattcctac 120
 tcgggtgcag aacagttgga gagtctgcat cgactatatg aggctgaacc aggttaccaa 180
 aaaggaccat tttccctgc cattcattga ccagatgctt gaacgcctgg caggtaaadc 240
 tcactactgt ttccttaatg gtttntctgg ttatattaaa tcactattgc tcttgaggat 300
 cangaanaaa ccatattc 318

<210> 14932
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14932

agctttttgt ctctgtttg ttnggaactt gcttaactct tgattccttg gcatcatcaa 60
 aataatcttg gaagtcattg cttccacatc taagtctatt ctatacatgc cttgaaatgt 120
 catgtatgtc tgtcatttgt aacatataag agaaagaaaa acatgataaa aatgacagaa 180
 aatgaacgaa aaaagagtac cttttgttga tattgcacct ccaattgcac atccactcaa 240
 caaagcaacc atttattttc ttccccaatc ctttntatta attttctgat tagaaaacaa 300
 actaaggaac tatagtagaa caaagcctag ataataataa nntatcatat aataatgaaa 360
 caaaaccaan ataattccca aggtgtcttc cctaatacctt atgatttttt tctaa 415

<210> 14933
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14933

tactatgctt ctgttgaacc tctccttac taatgaacca tgaagcttat gattatgatg 60
 ctcataaath gcacatacct taagtectca tgaacattcc ctacctcaa cctctccatc 120
 acctccctag ctactccctc agcattggcc acaccctccc ctacaataac tgtgtttttc 180
 ctctcacca actcactcag cacactagtt acatcattat tgttaacatg gtctanatta 240
 agcttcgtga aggagccagc agcaacttga ccaaaggctc cagatgatgg agacacatta 300
 ttactaccac caagaacaac atgatggggc gtggtgatat 340

<210> 14934
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14934

tagangaccc caacatatgc aggcgtgcat gtgcttgaag acgcatcatc gcgaatcgag 60
 ccgaggctgt tgagcaagca atcaatcggg cttatcacac caaacgaata tgatgatgag 120
 atgggtcaaat tctcacactt gtagactcat gacttataaa taagcctatc ttaactatca 180
 tgacttgtaa aagatagtca gagattgtag gtcgcaacat gtgtcaactc acatattcat 240
 aacaactacc cgactcttga acatatcttg taactcagag aaatacatgc aaagtcgtca 300
 tgctcacaag attgaccctt agtattaaac ttogaatccg actaaactga caacatgtaa 360
 cgttagcact gctttctgca tatctaatacc cacggaacta gctacaccaa gagacctccc 420
 cacg 424

<210> 14935
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14935

naagccgcgt gttctgatac cctcggcann nacgnganan tatnnaatac tcaagcttgc 60
 ttgacgagct actatggagg cgggatcttt gtatcttatt tangacctcn aangganatt 120
 ctccaccatg gagatgcaac ggaagacgaa ggacaacatg tgtaatgagg cgccgtccac 180
 ttgagaataa tccgtggagg aatgagcttc accaccatga tcagcgttgg ataagaagct 240
 cgctgaggat gctctgctgg ccagacnaa acacggaaaa aaatacagag gtgggagcac 300
 gatctctata gacgaaacac gggaagaaga agactattgg tcgggttctc agactttctt 360
 catcgagtac acaagtgtac acatttcctt ttttatctag accctccttg aaaccttctt 420
 aaatacttct tgtaagcttt tcaaaattct ttttaatacag cttttcgcca cttttgtaat 480
 tac 483

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

tcatgtcatg gtcacatatn tataatctct tgatgactca aagtcaaagc tggtaactct 300
 tggcantnta tntaaaaact aatcacttat aaagttatga ctttngaaaa aatcttcaga 360
 aacaagtcac ttgaagaatt tgactntnga aatgggtattt tgaaatagtc agtgggtatcg 420
 atacaat 427

<210> 14939
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14939

tctgcatagc tgtatatgac ataacaatct ctaatggctt atctcatctt tccttcgata 60
 tctggaaagt gtgcgagtgt tgtgcaaaga acaaaggana gggattcaag agatggcaaa 120
 tagattgttg gcacaaaact atggagttgt gtgcaatttg aagcactaag agaaacaagg 180
 ttagcgagat gtccaactga tttatgaatg ctaaccaggt tctcgcatcc atcaagtatc 240
 aattntctta aattcatggc tctagacaca tcaggaaatt cagaaacctt atcacaaccg 300
 gagatattca tgtaagtcaa atgggtcaaac tgcaaaacat acataanatc agataatcaa 360
 ttaacaacag tacatcaaaa tcatgtcaat ta 392

<210> 14940
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14940

ggatgcaact gtgatcttat acccatatca gctagatctt gacgggtatc aagccatcct 60
 tcgtcttgcc ttgaatgtta aagagcgtcc caatcacact gtcancaaac attttctcca 120
 catgcataac atcaatacaa tgtctaacgt caagatcaca ccagtacgga agatantaga 180
 aatggacctc ttcttcatat gcaactctga ctttatectt cttttgggct tcccaataca 240
 ctgttcaggt gtgaaccacac tgatatacct gctcaccagt caac 284

<210> 14941
 <211> 386

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14941

agacatcaac cccaactctt gtgcatcagt gcagattcac ttatttatta gttgggttca 60
tccttggtcc tgtcactaaa ggatcgaaaa cttaccattc tgttgagggg tctctctgat 120
agtaacttgt cgatgtcttc gatgcgtacg tgtccaanag aacgagggga gaggataccc 180
ataaaaggca cttcgacgct caagtaaggg tttgggtcaa agctatcaag gatgtcaagt 240
gaatattcaa gtaaaaaaca atccttttna cctgggagct ctttggtcgc tgggtcaacga 300
tgctaattgg caagtgcacc gagtcgcaca agtaatataa aacgatcaga accgagtatc 360
gaatccacaa gggacttggt tcactc 386

<210> 14942
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14942

agctntgcct ttatttctnn gtttctcacc ancttcttcc gaagctntaa cctcattgtc 60
tctcacagtc tttagacttg ngagccaatc caatccttgt gtcccgactc tcagccactt 120
atgatagccg ccgatgatcc cattactgct tcccctaagc tctctgtcct ttcttcacgc 180
cgcatcccat gccttgagaa ctccctggag taccctcgcg ttgtgggtcac tgaaaccccg 240
tgcatgaaa ggcgtgatgc tttcgtctga tggcactcct ctcatggngt agccaagctg 300
tcttatggcg aggactggat tataattaat acaaccctt gttcccatca agggatcatt 360
tggacatccc tcgcatgaag atagaatcct gattcttc 398

<210> 14943
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14943

aagcttgaag ctacaggaaa acttgaagaa gttatgaaga agnnntgtct nctacattcc 60

taactcctta gagtgcgta tgtattgggtt gttatcttga tcaatgcac ttactacatt 120
 tgacatctgc tttgtatcat gcattatcat ggatagtatg aagaaaagaa ttctaattag 180
 aaaaatttct tcaaagctaa aaactctctg ttttaatttat tagagttgcc gtaattgatt 240
 acaacaagct atatgaagct tatgaaggta agctcgtatc atcttaattg attacaatag 300
 tattttaatc gattacagtg ttat 324

<210> 14944
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14944

agctngctat cttttatnnt tcatacagtg gaccttcttc tagtaattat gacttaccgc 60
 agccgcctat ccttcttcca tttccaccta gagcaattcc aatacaaaaa tatggaagaa 120
 gcggaaaaag agatcttga gaccttcagg aaagtagagg tgaacatacc tctgctagat 180
 gccattaagc agattccaag atatgtcaag taggagttgt gcaccacaa aaggaagcct 240
 cagggaaatg aaaggattag tatgggcaga aatgtgtcag cattgatagg taaatctgct 300
 cctcacatc ctgngaaatg taaggacca ggtactttnt gtataccttg cattattgga 360
 aacagtaaa 369

<210> 14945
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 14945

tcttcacgc caatagggtc catctcagca agtaaggcca tattgacttt atcaccatca 60
 gctgtaatcg aggaatctgg gaatatctca tagtcatcca gccttgcagg ggcttgtcta 120
 tttctctgag gtctcgttga tactgcatca tcatgaacaa cattgtcttc tgttctaca 180
 tccgtgttta gaccttcaat tctggttctc aattcagatg tgccctactt atcactccaa 240
 ttccaggatt gacctcacc aaacttcaaa tctctactca acactagttt ctgagtttga 300
 ggattaaaaa cctgtatgc accagtagaa tggtaaccga gaaatatgaa gttctcactc 360
 ttgtcatccc aatttctctt tattgcgtct ggaatatgct tat 403

<210> 14946
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14946

agcttcgcac tagtcttggg ttgtccatac attaaccaaa tgtgtgtcaa tatcttccta 60
 gacacagaat tcaccaacaa catactctag tgcctcgttt gcattttgta tcattatacc 120
 atttgtgtgc anaataagag tgatntcatc acaaataccta taggtaaaca caaacatcat 180
 tatttgtatt ttcacaaacc ttgtttatac acaacatcag taatgaaaaa gtataaatac 240
 aactttgaga acccaaatat aaacctccaa atgaaacatc attcaaaaaa aaggaacaag 300
 aagccaaatg ataaatgagc aaacaatgca caaaaggaaa tga 343

<210> 14947
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14947

tggttgctttg tgtgagggaa ccatantctt ttgttttctc tctgnctttn acaataagta 60
 tgtgggtcaag atacaccact tgagtcatga aaccogttcc agtggagaca ataattgagg 120
 ttccaagggt gttagacatc atgggttgcac ggtangcaaa catctcactc atgtgggttct 180
 tcaacacttg accaatgtta ggtggcattt taccacttgg tatagtggct tttgtttgca 240
 atgctactat gtgccttact tgcacaactt ttagtgggaa cttttcatta agctgttctc 300
 tagacaacat tattccgtta gaaccttctt gaacaacaat tacctaaatt gatacctcta 360
 ttctgggttag agtcgggtga acaatcatgt tgtct 395

<210> 14948
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14948

agcttttttt taattgcttg tcttcataa gcagagtcag tagtgcactc tcacccatct 60
ccattacaag cctttcttct tctgaacac acatgggtcat taattcattg atagaccatt 120
tatctttatg tgtgtttag gaaatcttaa atggcccata ttcattgcga aggggtgttca 180
aatgaaatg cactatgaag gactcagaca tatcaacctc tagtttctta agttgagctg 240
aaatatctcg cttttctatg atgtactcac gcacaccttt cacactgggtg agccgaagag 300
agaaaacttc atgatcaagg tgctngctaa agtcttatct gaagtgatga actgggtcatc 360
aatggcctta agcaagtctc ggaccttttc atgctgggtca acagaacca 409

<210> 14949
<211> 609
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14949

aaaataccgg ccagggtgac ganngtagtg ancgtctcan anatnnnang actnangccc 60
tagactgtac tactacaaac ncgaagtggg atataccgc ccatagtcct atttacttct 120
gaggaagtec gtcaaggcnc tcgtttctcg ctgattcang gtccaacncc atannnatca 180
ttntaacac agcagaacta tacgnctatg anngctatgc aatacnaca caactaccct 240
caattatttn tcaaaaatat tcaaattaat tnttcaaaaa tatgggtttt aacctcactt 300
gggcactntc taagtgaac ttaaacctct gctctgggtt tggcaccana tgggagcncc 360
antnncacaa aatntcattc tgcacaatga taccctcggt caccctttt aagggggtct 420
taatagttgg tgtgaatggc nnatagttca taagcctcac cagttcattc gcataacttc 480
acttattccc catatatcat attatacatt cataacaatg ttaccagac acaaccacta 540
cacanatcat accacanata tatatatata tatatatata tgtatatata acgcattata 600
catatatgt 609

<210> 14950
<211> 346
<212> DNA
<213> Glycine max
<400> 14950

ccgggatcct taagtcgacc tgggctgcgc tttcatatgt gtctacagga gacttgggtg 60

gt

422

<210> 14953
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14953

tgccaccag ctcgccaag cgagctaggt tgcttctcc agtagtctcc gccttctaga 60
ggaattttcg ggaaagccca agtgggcctg gttgctatct gcacccctna tttactaag 120
tacaccctc gccttttttg gtgattcttt ttccataaca ttacgaaact ttacgaattt 180
cgtaacgatg cttgttttct ttccgtaatg ttatgaaacc ttacagatta cgtaatcatc 240
ccttttttgc cttccgaacg ttacggaat tntacggatt gcgcactaac acttcctttt 300
aatttccggc atgtcacgga acttcacgga ttgcctaacg atgggtgcca agtacctcga 360
tgt 363

<210> 14954
<211> 304
<212> DNA
<213> Glycine max

<400> 14954

agcttggttct atttattatc tacaatgctt tattgaatgc tttaaggcga aggtagagac 60
ctgagtcaca catgtatcat ctctctgttg gtgaatgcag aatcaccttg taaagtgttg 120
ctcttcaact tgatatatgc gttaatggaa gactagttac tagtgcaaca tattatgatt 180
gggaacaaat gtgtgcaaaa tatataggtg ttgttcccc aaagaatgca ttgggtgggat 240
caaagcataa actaacatgg gtaaaagaaa acatgttgac tctcccaaca gaacccttac 300
caca 304

<210> 14955
<211> 290
<212> DNA
<213> Glycine max

<400> 14955

cctttccttg tgggtgaagct cactacaagc cttaagtga aaaccatgat attaccatat 60
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gttcttgttt 120
 cattggacaa cattgtttgg tgactatgct tcatgatgta ttttgggcca tacttgatgt 180
 acattgtata ttgggtaaat ggtggacatg ctgaatgata tgttgtttct caaatgaaaa 240
 aaacaaagaa agaaaatatt cgaaaaaaaa aaaatttcaa aaaaaaaaaa 290

<210> 14956
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 14956

ttttggtgga aagaacattc gtcataatgt acgttactgt cgtaaataatg atcatataat 60
 atatatttat aggtgatctc ttccgttttc cctaatatgt aatgtgacct tttcttttta 120
 gctgtcttgt aagatgagca tacactgaat atcagtactt gtgtgtaaata taattataga 180
 gtatatgaca ctgctctctt ttggataaat atattaatta ctacaactct ctacttaatg 240
 ttgtaaaaac tc 252

<210> 14957
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14957

atcttttaca tgactntgnn notatatatg gggcannata cgatgaacaa ggatgtntca 60
 tgattggaaa atatccaaaa gtaactactt gtcttaatta tcaattagag gtgaaaaagc 120
 ctaataccaa aatcatgtac ataannttga aatgaatntg tagcttattt tatagaaaat 180
 ataccattta atatgaacat gggttattaat gttagagata aatttttttg acagcattaa 240
 ggactagaga tattgatgca cgaattatca gttcttttaa ttaaaaaatac atttattcaa 300
 cactttcatt tgttctctat gactttttca atntttntaa taccttaatn gatatccaat 360
 tttttttaaa atattntggg tatattatgt agnggttctn tattttattc ttat 414

<210> 14958
 <211> 305

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14958

 aataactcagc ttaaacttca ttgcatccag ccactntctc ttttcttcac tttctcatga 60
 cctctctaaa gcactcgggt tctccatcat ctgttaggat cacatactca ttaagagaat 120
 acctcttaga aagttgtctt tccctattag acctctgat aattggtaaa tatgagctat 180
 ctttgataat aaaagtatat tgaaaatata tttaaaaata tttatttacc agttattttt 240
 tggcttaaat ggtaggaatt gatatttttc ttattttacgg cttgcagata tgaaaaggag 300
 ggatt 305

<210> 14959
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14959

 agcttgcctt atagaggtcc aggaaggaca aggcagccga aggaactagt tccgcttccg 60
 agtatgacag tcaccgcttt angagcgctg tacaccagca gcgcttcgag gccatcaang 120
 gatggtcgtt tcttccggag cgacgcgtnc agctcangga cgacgagtat actgatntcc 180
 aggaggaaat anggcgccg tgggtgggcat cactgggtta ctccatggcc aagtttgatc 240
 cagaaatagt ccttgagttt tat 263

<210> 14960
 <211> 587
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14960

 aggaagttct gattgactga ttactatnag cannnaccgc gacactatag aaatacctca 60
 agcccttctt atccaagggg ctcanntctt ggtgggggtga aagcctcncn nttcttcnca 120
 ttgtgtctta tntcnnetta natggngatg ngcngccctc ncnntctcac nntatnntt 180
 tcnctnnttg tctntcnnc gctgcatttc tccattggg ggnnngaaan natcacncat 240

nntaaaggga aaccccannt tgaagcctca nnagaatccc agccctcca ttagaaaagc 300
 tccacaagcc aagcttccat tcagatgggc tnntaaaaaa ttcgcggtt ttactgcaaa 360
 taciaaagagg accgaaacan aaagccaaat ggatcanatc caaaatctgt cagagattaa 420
 tcatcaaaag aaacatanat tgatgctaaa tataagtatc atgatgctta atatgaagtg 480
 aaagagaaca taaattgatg gagtatgact tcagatcccc gtgacaagac cataattgaa 540
 taaaaaccaa ctgaacaaaa caatttttat catgtggatc aatggag 587

<210> 14961
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14961

agctnngatt attcatggat cgggttagtc cgtttcacac tgttacacga atgtaatatt 60
 ttgatctacc cccgccagcc aaacaagttg attcacgggt ctattttttt aaaaaagaaa 120
 aactataaat ttaaataaaa tatattnttt tctcttaaaa aatagtcaat tacactcaat 180
 tatatatata tattaaaaaa agtcttaata aatctctaata taataactcaa ttacaaaaag 240
 tttaacacaa ctaaataaat tttcaacata aatgtaaat 279

<210> 14962
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14962

ctaagcttgt accgaattct tcatcgctct aattatcaga ttgatgagat tcgattaata 60
 taaatggctc tggatgtggg atgaaataat tacactcatt cctttccaac catcatttac 120
 gtcaataaac tttcacatct tgaaattctc caatttacag gctaggggca tgaattgctt 180
 acacaccagc acacctacaa ttgttcacg agatctaaag tctccaaatc ttttggttga 240
 taagaactgg aatgttaagg tatatgattg aaaacttatg cagggtataa tatttgctta 300
 ttctttatta tcgcataaca taactaaaga gtgccataaa aagtagtgca ataaaataat 360
 aacaagacga tgatgatgat gtctngttgg atgatagttt atgatggaaa 410

<210> 14963
 <211> 379
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14963

 agctntntgg ttattataaa acaatgggca atgggttaaag aaagattgtg aaaaagaatt 60
 ggttggaaga atatcatata tgtatattga atgtgtgcaa aattcatgct tttatagact 120
 cttcatgtct ggtcaaagaa accattggaa gagtnatgac ttttgagaaa accatgttaa 180
 gagttataac tcttaaactt ttcttcnaaa ctgttcactg gtaatcgatt accacaaagg 240
 tgtaatcgat tacacaatgc attttatgaa nagttgtgac tcttcacaat tggatttgaa 300
 ttccaaccgt cagaatcatt tgtaatcgat tactaatata nggtaatcaa ttagactatt 360
 tgaanatcat tttggaatg 379

<210> 14964
 <211> 370
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14964

 gatggaatac ttacttggtg gtgatgaaca acaacgctta actgtttcaa aaaatgcaaa 60
 anatgatgac cctagggctg caaactcgta aatcccgtgg gtatggcttt tgaaaggggg 120
 gtgtcatacc ctaatttcgt ccgngacct ttgcttgatg acatgcgacc tttctttggt 180
 ccttgtaggg tgcttggtac ccatcattan ggaatttggt aaattctang acattgccga 240
 aaacaaaaaa aatattgatg cacaatccgt aagtttccgt gacacaccag aaatcaaag 300
 gaagcatcgt tgcataatta agtgagggtc cgtaacattc cgtaagtcaa aaaggggatg 360
 atttatgtat 370

<210> 14965
 <211> 225
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14965

ctgctagang ttgcaacatg tatgcggaaa ttgctttcca ttttccacgg taaggtggga 60
 gatgatgatt gaggatgtct ctcaagtaccg aacaagccta tcaaacattt tcaggtgctc 120
 ttcaaatacaa tcccaaagga ttgagttgga tgtacataaa tgagaaagtg tgtgtacaaa 180
 tacaggaatg ggctacaaa aatggctgtt ggtggatggt tgtgt 225

<210> 14966
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 14966

aggaaccccc agctataatg cgttcttttg aacctctatg tcgtctggag gatgaaggca 60
 acgagttcta tatccagagt aagaacaata tgtgttgggt gtggtgaagg aaaccactac 120
 ttacggtatc aataatccca tcgtgttaca aaacacattt cccttgacat ctgaaaagcc 180
 atcgtttcta tgacattgtc ctactttgtg tggatttcct tgaagttgca catgctgctg 240
 cagaaaagta tatgagaaaa gtagctgttg aatttgggat tcctctcta 289

<210> 14967
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14967

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 ttctgtagaa ttanggtacc agctttacat ctattttaca cacctttatg ataacttcta 120
 cagaacggcc agggcacaga atngcagagc agctgtntgg atttcggcaa gtgcaccgga 180
 tcgcacaact agtataaaac agtaagaacc gagtatcgaa ctcttcgtga acttgtgtta 240
 tttggtaagc tatttcagca aattgatgtc tagtgtgtaa agataagtgt gaatatgaac 300
 aggggtgtaa actatctatg caaaaagaaa gaanatcacg cgagagaaat gatgntgtaa 360
 aacaagtaga aacaca 376

<210> 14968
 <211> 140
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14968

ttccctagta gaatactagt aatgtttcta ctatcatngn catcgttntt tcgtcattga 60

tgtgccactt gagctgccaan gttctccacc tttgggcgta ttctttgaaa gatccgtgcc 120

cccttttttg cacatgtttt 140

<210> 14969

<211> 518

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14969

nnnggcttat gatagctaga tagactggca nnncnactga gncccggcga tgctgtatat 60

atgaactgga aggcttgcac gctaaggat acttcttttc tcacccaag tggcctanga 120

ggaaggctac cactatatag agccttcac ggcctcacac agacacacta cactgtgtct 180

cacagtccct ctcatcagga gcaagatatt gagagccaac ccatcatagt gaaccgtgac 240

ggctctgana ataagtacga aactacgttg cttatgacct cagaagatgt ggagaatacg 300

agttggtgta cttcaagagg ctcatgatg aattcaacan agtgggacaa gtttacaagt 360

caaaagtgga cgaagtgatg aaggaagctt gcatgctcaa caagcanatg ggatgcttga 420

tagctttcac gatcaagggt gagaagccaa gtttgctgta tttgatcatt ctgtggagat 480

gactcgtctg gcttctgatg ttgctcttca tctgcagg 518

<210> 14970

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14970

tcttataatg aatgattaga gtaagaatga ctctcgtgt tagttttgta attatctagt 60

agtagaagat aaacttccaa tgtttgtctt gctgatttca accataacat tttgtattgt 120

gtgccatttt tggctaaaag attattaatt gtagtgcang tcttacttac gcatacagcc 180

gaatagcgat agtggttaaga atactaaagc aagtcgtttt ttaaagtact tgtagatat 240

aaaatcaata gcttaagctt aggagtcggt atgttctcga tcgtctcagt ttgcttatta 300
attggatatgt tcttgatcgt ctcag 325

<210> 14971
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14971

agctttttct catttctcat tccagacaaa cttctcattc ttatgagtcg gtttagttag 60
gggtagtgcc aatttagaaa atccctcaat gaatttccta taatagccag ccaaccccaa 120
gaaactntga acttctgttg gagttgtcgg ttgttgccac tccataaccg actccacttt 180
aattggatcc acagcaaccc catctttaga aatcacgtgc cctaagaact gcactttctc 240
taacccaaat tcacatttcg acaatttggc gaacaatttc ctatccctca ggatatgcaa 300
cacaattctc aagtgccttt catgctcctc cttattcctt gaatacacta ggatatcacc 360
aatgaacaca accatgaact 380

<210> 14972
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14972

accctgatga ggatgtccca tatgttctta tactatactg gtccatttgc ttccaaagtg 60
tcatggcctt gcaggagaag acccgcacaa acatctaana gaattccata ttgtctgctc 120
caccatgaaa ccaccagatg tccaggagga tcacatatct ctgaaggcct ttccttattc 180
tttagaggga gtggcaaaaag actggctata ttaccttgct ccaggtcca tcacgagctt 240
ggatgacctc aagagagtat tattagaaaa aattttccct ac 282

<210> 14973
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14973

agcttgttct ttntatggaa nggaggagtg gtnttctttg cttatcttgt tagcaccgag 60

tttggatcat gtaggaaatc gttagaatcc cttgaaccta agcgagagtt atgagtcaag 120

tatatcaaag tggggaagat cttgttgaag aagaaaaaaa acttacattc gaaggtaggt 180

aaatcatgta ttctcgagag tcacgtgtgg actangattg gtagagtgtt gaagtctcga 240

aacatatact ttctttcttg aatcatctca tgtttgagac aatgtcggtc atgtggctaa 300

tcatgtttcc ttgtatttgc ttgttcattt caaatttcat cagtgtctcc tatgctatta 360

cctaactcca aatagtatgt cattcatatt ctattatcat tgagatgtca catttgtgat 420

aaaacttaac ttatgaaat 439

<210> 14974

<211> 325

<212> DNA

<213> Glycine max

<400> 14974

tgtgcctctt catgtctaga atatgaatgt agcatataga tttttagacc cttacgtgct 60

tttctgatgg cttcttcccg ttctaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaatagtag tgtagattgc ttcagcccag aatgtgttag 180

gtagtcctct ctcccttgagc atcgatctag ccatttccat aactgtgtga ttctttctct 240

cggacactct attttgttga cgagactatg cgactggtag ttgtcgctca atgccttcat 300

cctcacaaaa tctttcatac tcacg 325

<210> 14975

<211> 362

<212> DNA

<213> Glycine max

<400> 14975

agcttctata tgaagcctct taatgaagct tctagagaag actacatgga gctgactcgg 60

tagaaacgct gccacgcctt cgtaaacgct tggatcgtct cgaagtttgg tttgcaactt 120

cacaagacac ttaccatga tttaacgctt gggatctttg agaaaatata tggagtgtgc 180

tagaagcttc cgttcccgag agcatctctt atttaagcat ttcagccttt gctttcttgt 240

agcttaggaa aaatgccatt tcttcttctt tcttcttctc aaatccattt ctaaagttcc 300
aagtactttc tccatcacc acagccacca ttagccacca caaaccatca ttgttctcca 360
tt 362

<210> 14976
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14976

ntaacctcat cgtccctcac agtctataga ttgggatcc aatccaatcc ttgcgttcgg 60
actctcaggc acttatgata gccgccgatg atcccattac tgcttctctt aagctctctg 120
tcctttctgt atgccgcac ccatgcgttg cgaactcctt ggagtaccct cgcgtttgtg 180
gtcactgaaa ccncatgcga tgaaaggcat gatgctgtca tctgatggca cttctctcat 240
ggtgtagcca agctgtctta tggcgacgac gggattataa ttaatacaac cccttgttcc 300
cat 303

<210> 14977
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14977

agcttttgat tattatatta tataaccaca catagaatgg tgagatgcct canaatagat 60
tgccttatca gtaagagtaa gtgtgccagg ccatgccata ttattctccc atttcaaaac 120
aggtcgctta ctgttggaac caatgcataa aatcctctcc tcagaaagtt gaggaaactc 180
tggaatctga tatgatattt gtctttgacg cactctgcag taatatcagt accagttcat 240
cacagaagtt gtcataccaa agaatgtctt gaagttctga gagcattcca gcactatcaa 300
gcaatgagca tgctgtacaa cagacataaa ttgaaagatg gaactaac 348

<210> 14978
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14978

atgtngnng atatatcttg atttcttata actgccttg gattacgaaa aaaatattaa 60
cattctattg gggttcttac ctgtcaagtn tggaaaaacc agacaaggga tcaactcagt 120
cattgcatct atacaatcaa tctttctcag ccattgtcat tttgatggct cttacctcta 180
accttcacac atactttcgg cttatgaatg aacgtgcaag gaggcacctt tcacttgtgc 240
taaataatga tgaatatcaa atgaagtttc tagt 274

<210> 14979
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14979

tgcttttgat tgactatacc aagctctang aaccagggac ggagaaagat ctatatatag 60
gcttgctaag ggtagagaga ggaagactag agaattggat caagtaaagt gtgttaagga 120
tgaagaaagc aaagtcttag tgcatgaaaa agatatcaag gaaaggtgga aggcgtattt 180
ccaccaactt attaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240
ggaccganac tataagtact atcgctcggat tcagaaacag gaagt 285

<210> 14980
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14980

ntacagcaga tnttagtaat gaccactaa cctagaatta atataactta atgccattaa 60
cctagggat taaaacaaac taaatggctg agtgtaactg aaattggttg caaccaaag 120
tcaccccaa cagccaacaa gtcagccacc atttggcttc ccaaaggct gatgcctatg 180
ttgccaattg ngcccttatt acaacttgaa ctaaagccct tntagttgat taaccanaa 240
catanttttg gtcagccaac tttaacagga ttgtgccatt atntagacaa actaaacact 300
ct 302

<210> 14981
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14981

ttgcttctta tgtgtgacat aaaatagtca cgataagatt tgattgggtg gcaatacaca 60
 tttaattata ttatttgtat ttctctcatt atttcacttc tcatatatga tccacacaaa 120
 catataataa agatctaaga caagcttgaa agatgatctg ttttaagaaa tctggaaggt 180
 gattattaag aaggaaaaat attttattca gattaatttt attgtcactg agaaagaaaa 240
 aagggttatg tgtgtaaaaa gtcctacacg attaagatat cattattata atcataagtg 300
 aggggtgtaa gttttaaaaa ataattatnt tatgatgaat tanatgatga tctatcattg 360
 acagagaacg taaatttatt ttacacatat gtatgaacat caaactcata nattacata 419

<210> 14982
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14982

acttctattg gcatgacttt ngcagtttga atatgattta taatcgggta atgcatacct 60
 aattccctat ttgaacttgt cagcccagcc ttctcagtca aatcttcttg ttatccacca 120
 ctcttctcca attcgggctt ccattctgaa ttcaccccc tcttttactt cactaaatgt 180
 aaattcagtg ctttatttca cacacatagc acaataattc aattaaataa tagagcagca 240
 tacatacttt aattcaaaca tgacataaca ttacatgcag acatataatt t 291

<210> 14983
 <211> 135
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14983

tttcngtttt cttcgcgagc ttctccgaca gcccttgac ccatttgctn tcgaggtagg 60
 tggccttctt cttagctntg gttatgttat gcactacatt acggtagggt agtgtaacgt 120

taagttagtg gaacc

135

<210> 14984
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14984

ctcaagcctg cattctatgc ccagaaagta ctcaagagtg ctattttgct taatataana 60
ggnancatnc aacttgttca cgatgagggtt aatagcagtg ttggagggaac ccgtgatgat 120
tatatcatct acataaatga gattaagcag gcagcaacca tgttttgtga atacgagaag 180
agagggatca cacttggatt gttgaaaacc aaaggagatg agagtatttg tcaaactctc 240
ataccaagcc cttggggctt gttgtaaacc atatattgcc ttgtgaagtt tgcatacaag 300
agtggattca cccttgatta aagccttg 328

<210> 14985
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14985

ttaagtcacc tgcngctgca acttgccttt atgattacag ttgataaaat gacatatcct 60
caacctgaac acaacagctc tcaattcaga cctgccatta tgctcacaga taataagcat 120
aaaaccacaa ttcatacttc agtattacag taagcctata tttaatcaga gatcaataac 180
atctgaaagg ccttatatct aaaacgcac tcatgtgggtt tatggggagg taccaatgat 240
ttggtaaata atttaagtga tgcagtatgt tgatgtatat ttaaacaagt actacaacta 300
gataaattac taatctgaac aaatggaatt actaatcact actggattta catgatcac 359

<210> 14986
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14986

ataaaatatt ggtgtggctt atctttatat taatctcaac caacacattg tgattgtggt 60

gggaagaaaa gaataattta aagggagggg agcagcatgg taaggggagg agggcaataa 120
 cgtaatttga gtggttga aaattacttg acaggcaatc tttgtctcat atgcaataga 180
 gttacacca aggcagcaca caacacagcc attcccaaag agaaacaaac acagttgcat 240
 tgttgcaatt gcaactaaaa tccgcgcctg ngatcgacc ttcatttcaa aacctgctcc 300
 atttttttct tcttttcttt cgcttccgta gctctatctc taagcgtgca cgcgcgcgctc 360
 tagtgcaatt attagtagt ttgattggaa tggg 394

<210> 14987
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14987

ccttgaatct tcttcatcaa tgatgttctt tgcttcttga agatcaatga caacagaatg 60
 gagaaggagg aanggtgatt gaagacgtca cttcaaagag aatatgagtc aagaagaaac 120
 tcaccacaat aggaagtcac ggataagagc tngaagggtan gagaagatga gtgaaggagg 180
 agggaaagaa gagcacgana tttatgcctc anatgaggtc taaactttga agtataattc 240
 tcaaatgatc aaagttgaaa aaaatgcaca cacaagacct ctatttatag cctaagtgtt 300
 acacaaaatt agaggaaaaa ttgaatttct attcaaatcc ca 342

<210> 14988
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14988

atggtggtga gacaagcatt anatttgggt tctttggacc aatctctgtt ttttgaattt 60
 atcttanaaa ataccatttt gtttttaatg aaattgggtct ggaataaaac agataaaatt 120
 ttaaacaat tctatgttgg atcccttgag agatgaggtc aaattagttc ctatgtgtga 180
 catgcaaggc gacttactg ttgtgcaaat agagtctagt agtgtgtagc tttccttgat 240
 tttgagtctc tatggtgggt aaattgaaat ggtgtttaca atttattaaa ctagagagaa 300
 atttttttta gcatgtaaatt tagaaaaatt atagagggtta ctttcaaatt t 351

<210> 14989
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14989

catcttggtg gtgaagctcc tacttccatg gcttattccc tagtggatgg cacctcttct 60
 cacctcttct cctttgtctt tcgctgcac tccatgggtg aaaatcacca ttaaaggacc 120
 tcattgaagc tcaaagatcc agccctcata gatgccccac aagcaagctt ccatcaagtg 180
 gtaatcagag cacaagagct tcaagtaggt gctccttana cctccattaa ttgttttgct 240
 ntaccttctc ttccattggt gnttcttcat tnttttctcc atgtatctcc tcacatgtat 300
 ngcgctaaat agttgtaaca tgattcttta aattttccac tgattaa 347

<210> 14990
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14990

atttcttctt ctactgagac agngtggttat atgaatctga atatnagann naaaagttat 60
 tatggaattg ttaatgctcg tgattttgac ttataagtag tgcataatg tgtttatggt 120
 attataaaat ggttgatatt gaagttcaaa ctcaatcaca agtgatacaa gctgatagtg 180
 aggggatgac tgatcctact tattcacctt catatttaag tgggggatgac gatataact 240
 tggatgatga gactatagca tcgtttatgt c 271

<210> 14991
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 14991

gcatgttctc atgcactctg tcaagataac attagccac atccgaaaga taaaataaaa 60
 gaaacattaa tctccgatat tgatcgaaaa catgctgggt gacgtcggcc aggaaagatg 120
 accgatcgag gtctataaat ataacgatca ccgtatgacg ccaatccaac atttccta 180

tgacatcatc caaatattat ccaatgattg gata

214

<210> 14992
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14992

cctcgaataa acatcgaaac tcttagactt tcatatggcc ataactntnc acacggatgt 60
ctgattcggg cgcataatat gtcgagaggc tcgaaattga acaatggaag ctcttgagaa 120
attccaatag tcataagttt tcacacggat gtccgaatca ggcttataat atatcgatac 180
gagcgaaaat aaacatcgaa aactctcgag atatcatatg gccataactt ttcacaccga 240
tgtccgattc gggcgcataa tatgtcgaga ggctcataat tgaacaacag aagctcttga 300
gaaattcaaa tggtcataaa ctttcacacg ggtgtagat taatgcgcat cacata 356

<210> 14993
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14993

tgctttctta ttatncteta cccttctgcc tcgtgtaagg gttaatagaa ggcactattg 60
gaaatcagat aaaaattact attocctgat aagtaatcca agccaaacat ataagacttg 120
ttctgttaca agataaacct cttgccatta tacttctcac ccttttcttg caccctaatt 180
aacaagcccc tcatgtaaat ggtgcagaaa tctctcttct aaacgaagta tngctttgaa 240
cctcacatgt aagaaaaggg ggaaattcca ctttaattta ctaccncaa gttccaaagc 300
catctccatt taaacgttct cttttctatn ggttgtgtag aggaaagact gtngatgaac 360
aatatataca ttanaattgc tataaggaga aactaagtat gcttaatatt gcatgtcaaa 420
caacac 426

<210> 14994
<211> 224
<212> DNA
<213> Glycine max

<400> 14994

ccttcatagc cacaccacca acatctatgc tagtggttatt gagaatatag aagtaggata 60

gctgtggatt agaaagcatt ctggtgtaag tgatgggatt agcgttcttg acaactgaag 120

actcattacc cataactaat gaccagaag aaccagcttc tgttggtggt aagcagtatg 180

agaaaactcc tccaaatgtg gcattagttt gagataccaa tgag 224

<210> 14995

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14995

agctgttgnc tttatatgtc gagtgtctcg atatatgacg agacttaatc agacatccga 60

gtaaaaagct atgggtcgttt gaatgtgcaa cgaccatcaa cattcaattt cgagcctctc 120

gatatattac gcgactcaat cagacatcag agtaaaaagt tattgtcgct tgaatgtgca 180

acgaccatca acattcaatt tcgagcgtgt cgatatatta cgcgactcaa tcagacatca 240

gagtaaaaag ttattgtccg nttgaatntg caacgaccat caacattcaa tttcgagcgt 300

ctcgatatat ttccgcgactc aatcagacat ccgagttaaa aggtattgtc gtttgaatnt 360

gctcagagct ttagcattca agtttcagtg cctcgatata ttacgggact caatcagaca 420

tcagagtaaa atgggtatcgg cgttc 445

<210> 14996

<211> 213

<212> DNA

<213> Glycine max

<400> 14996

ttcttcgcgc gagctcacgc gaagttgtat ttctgccgac gccggcattt tgtctgccag 60

gataacatta gccacctcg gcaaaaaaaaa aacatgattc accggtattg acagaaagaa 120

atgctgggct tagtcggcca cgaaagatga ccgaccgagg tctaaaaaat aagcgtgacc 180

ggattacgcc gatcgaaccg ctctaatag ata 213

<210> 14997

<211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14997

 agctttttat gtgatatagg tgcagccatc tccctaagag tcctctcacg aagtggaggt 60
 tgagccatgt tctcagtata aaaattagta gtggatgctc anaatcagaa tatttagaat 120
 caccctcaac agaatgctca gaatgctcaa aatgcacaga atgaccagga tgcacactat 180
 gcctaactaa tctatgaaag gttctatcta tttcangatc aaagggttgt aaatcacttg 240
 gattgaccct agttatgcac tatatgcagc aaataatgtg tttctcaaca agcacctaac 300
 aaggngtaaa actacagcta tactcaaatg atatcaaat aagctgaaat tntgtgagga 360
 acacccttaa atcatgaaaa g 381

<210> 14998
 <211> 362
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14998

 tgtaactctt ggcaatttgt ttaaaactag tcacttataa agtatgactt ttgaaataat 60
 cttcagaana aagtcacttg aagaattatg actcttggaa atgtattttt cgaaatcagt 120
 cactggtaat cgattaccat taagggtgtag ccgattacac atcaacagat gtgactcttc 180
 attntgaatt ntgaaaatct taacgttcta aaatactggg aattgattac atgattatgg 240
 taattgatta caactttgta aatcagtttg aaaaacaatg ctggctactg gtaatcgatt 300
 actaccttct gtaaaaagat tttgtgaaaa cttcatgtgc tactcaatgt tttgaaaaac 360
 tt 362

<210> 14999
 <211> 438
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14999

 agcttattgt atcaaaaattg cctcaatcat ttccaaatat gcatgtgaat tangacgcat 60

caacaagaat caagccaagg ctattgtgca agccaatcaa tgggcaaaac acaccanatg 120
attatgatga tggatggctc anattctcac anaggtaaaa tcatcacttt caaattgagc 180
tntcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactttttatt ttcaaaacaa ttacccattt cttgaacata tcctataatt canagaanaa 300
catgcaaagt cgtacgtgca cacaaaattg acccaaaata ttaaactaaa aatccgacga 360
aactaataac attaacaaat taacacaact aacaaatcaa caaactagca aaccaaagac 420
actccccccc ccccccat 438

<210> 15000
<211> 378
<212> DNA
<213> Glycine max

<400> 15000
tatttgaatc actaagtaaa atttatgata tccctgttaa gtttatttgt gtaattcata 60
cctaattatt atccaattta gggcccattg gcagctgggtt gttatgtgtc ctacaagcaa 120
tggtgtcgtc tggtttttgtt cattgtttta gaagcttgat tttcgtatca aagctgcaat 180
aaacaagtta agtttttatat tataagacat ttaattcatt ttttaagttgg atacataaat 240
agtttttccc tcatttacac gtccatatct ttctatgcaa tgcattcaag acattaaaga 300
ctacttctga cggtaacatt gatcaagcta cacctcagtg gattgagtaa aggtagtcac 360
ataattaatg gtatttct 378

<210> 15001
<211> 381
<212> DNA
<213> Glycine max

<400> 15001
agcttttcgt ctccgatttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatgggtt atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tggtccgggt agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaag 360
 caatccaagt ggagcaacaa t 381

<210> 15002
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15002

tgaaattgaa caacggaagc tctcgagaaa atcgagttgt cttttatatt ttcacacaga 60
 tgtccgattc ggggaaataa tatatcgaga cgcacgatat tgaacaacgg aagctctcga 120
 gaaaattgaa tggtcataac atttcactcg gatgttcgat ccggggacat aatttatcga 180
 gacgctcgaa attgaacaac cgaagctctc gacaaattag aatggtcgta acttttcacg 240
 cgaatgttcg attcggggac ataactcatc tagacgctcg aaattgaaca acggaagctc 300
 tcgagaaatt cgaatggtca taagttntca cacggatg 338

<210> 15003
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15003

ttgcttgatc ttactagnnn ntntctcaac cttatcgtct ctaagctagc aacaagtatt 60
 tttctcaact ttatcttcac cagagctagc aacaattcat ccccatagag gttttacgat 120
 aaanacagag tgtctctcan atatagagat ggatatacag atataagctc actatagagt 180
 tacaagatga aaatccaaca aaatcacaaa ggaatctcta catttcttct ttcttttcat 240
 ttttccttag ctttctattc tg 262

<210> 15004
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15004

aactcaagct tgcaattaaa ggttgtaaag aacccaaaagg tgtaatatcc tcttccataa 60
tcagcaatgt caatgatgtg ctcatcttgc attccatata aaggatcggg aacggctntg 120
ttcttcacca aggtcgctag aacactgtta agtgattgcg cggaatgaag tcaataaatt 180
aaagaggatg taaaatacta aaattgtgaa atggaaaatg agattgtgat tacgttccat 240
gaacgagagc ttgcatccat ggtgaaaagg ggcgtg 276

<210> 15005
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15005

agcttcttgt tatattatgt ggcagaatcg gacttctggt tgaaaagtta tgaccatttg 60
aatttctcga gagctntggt tgttcaatct cgagtgtctc gatataattat gcacctgaat 120
cggacttccg tgtgacaagt tatgaccatt tgaatttcac gagagcattc gttgttcaat 180
ttcgagcatt tcgatataatt atgcgcctga atcggacttc cgtgtgacaa gttatgacca 240
tttgagtttc tcaagtgtct cgttgttca atttcaagct tctcgatata ttatgcgcct 300
gaatcggact tccgtgtgac aagttatgac catttgaatt tctcgacagc atacgttgtt 360
caatttcgag cgtctcgata tattatg 387

<210> 15006
<211> 258
<212> DNA
<213> Glycine max

<400> 15006

tctcgatata ttatgcgcct gaatcagact tccgttataa atgttatgac catatgaatt 60
tctcgagagc cttcgttgtt caattacgag cgtcttgata tagtatgcgc cttaatcgga 120
cttccgtgtg ataagttatg accatttgaa tttgtcgaga gcttccgatt ttcaatttat 180
agcttctcga tatattatga acctgaatcg gactttcgtg tgacaagtta tgacctattg 240
gataacctata tagcattc 258

<210> 15007
<211> 132

<212> DNA
<213> Glycine max

<400> 15007

gctcaccgtg tcttaacagt agtgcacccat acgcttgtga ccatcaatat gttaaaccca 60
ctatacattg ttcgcagatg actactcatg gaggtgattg ccaacactga cctgtggata 120
ctcggatcct tc 132

<210> 15008
<211> 686
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15008

cgctcccg tncncnnat cntcacattc ntaaantnta nacatgctat acggatacca 60
actggantat gtntantana naanannnnn nnagcgagga ntatttgaaa gcactgcgaa 120
cacgcgacac tanannanac tcatactnnc atcacgtcgg tcaatgctgg acatttgttg 180
acagtgacta cacttggcaa tctagactct cacaacacat caatatctac tgactccatg 240
agttggtcta cncagatata tgttgatcac agcacgcgag aatctaacac actatcctct 300
gacaaacaca ctttgataat catcaatddd tctgtacgat atgccacacg gaatgttgac 360
aattagaact ctctgacaac gtccgtataa tcagcctcac aacttgggtga ctgtcaccag 420
tagcccaaca gacctgatga agtccatgat ctctctgcc caccgatgta acctctccac 480
acgaaatcta atcacaagca atgcacagcg cgtatactac tagatcttcc aacactctct 540
gctatggcac atgcgatgta atcgagccgc cagtccaact ggtgcatcaa cggacactcg 600
tccgcgaccc gcanttacca tgttgctgtc ggacacttat gatgtgcata gcatccacat 660
gcacatatct cactacgagc gcaccg 686

<210> 15009
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15009

agttaaatga accttagtac ctggaacaac aaactcagca tcatcngccg taattgccta 60

atccgtatct actacaacct acattagnga gtttctactt cattcggctc gggcgtcaag 120
acaantcatt cacattactg tcaacacggg gcaacggact ctaaacttgt acacaggtct 180
ggctatctcg gcacatatgc gccataaata atgccaaacc agcgtcttga tcattgacac 240
cttatgcatg tacttaattc gtctgataac atgctacatc tggaatcaac aacaatagta 300
cttttttagt ataagttctc catatctctg acaatttagc gtggctgtct tccactccat 360
gatgcctata cgacgcgctg ccgttaactc taactcgttt agctcacact aatcactcac 420
catgacgcct gctcacacat gaagtaaact tgcacatact cttatgcctc ataattttga 480
tattcctagc tggtcagaca acgtcgatcg aatcatcttt cgctactctc t 531

<210> 15010
<211> 347
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15010

tcaagcccta aggcagagct nganagagtt cgggtagtcg aagataagtt caagtccata 60
gccatcaaag tctgataaga gtatgatgaa ctaagggacg tctatatggc cacagctgaa 120
gctttggaac gagaaacaag atggcccgaa aggatgaaca ctaccanagc aaagttttga 180
ggggctctat atggcatcaa tagtgagctc aagctccgaa taggtgatag gaatcatcac 240
gggtcatagg catgatcttg aatgacgagc taaaggtttg ccttacgctg aacagaaatt 300
tggcccaaca tgtagcgag actgaaggga atatgtgggc catcatc 347

<210> 15011
<211> 614
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15011

acactgacgc cacacntcac actactgtat atagttctat ctctgtcang gcgatcgca 60
taaaaaaaca aanagagat ggatttgatc cctggaactg cgaacatcga aactccgcac 120
tactgatcat atcgcaaaga tgggttgata aaaactacat atttatgcga ctactactg 180
agaaangaaa catcgcacat actatgacct gacgacatga gcaccgaact aagcggtaac 240

ttgatggagt acggaataga agctcgaagg acgctactct tgctcctcta tataatctatg 300
 ccaaacaaga tcagaacgac ctatgctatc agtaacggca tggaactata caagacacat 360
 gaggttaaac acaccaaacc gaacttgcta gttttcatga caatcgacgg tctctttaga 420
 gaatcatcta ccaatgagcg ccatcacgtg gaagaatcgg agacactaca catacacgaa 480
 gataaactaa gacataacaa ttgataagaa cagacgttga acatcagacg agatgaatgt 540
 tgctacgata ctgtggaatc atctcagtga gcatcaatac gatacacaac cagacgtgag 600
 aggcgcgaaa ggc 614

<210> 15012
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15012

tctttgggac tatgaacagg caactaactc ctctatcana atcatgctat gtgctcgcga 60
 ctgggtccctt tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccgcg 120
 aaatttggtc cggccatact cttacttgcg agccctcttg gtctctcgat caagggctct 180
 tgcggttaatt gcattctctt cccgtgaccc ggcacactcc ttccgaacgt gtgtagcagc 240
 caacttgaac ttctgcttgg cgagtattgc ctttcctaac tcgcttttga gagcttggac 300
 ttactcgtcc tcttccggtg cttcataatt cccttcgctg acgactatta acttggcgag 360
 ccaatctaaa cctcgtatgc gaactttcag ccattcgtgg taccaccaa tgatgccatt 420
 acgaatgcct ctaagctc 438

<210> 15013
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15013

tatgatagga tgagatagaa ttntatttct aatgttcttc attaagtgtt ccttctcaa 60
 cagctaattt caatcattat gcatngtatt aattcagtc aatctaattt attgtggaat 120
 ggtcataggg ttgccccctt cttacctcaa tgtggcttga gacaaggaga tcccatgtct 180

ccgtatattg ttgcgacgtg tatggataag tcatctcatc taatccttta agctcttcat 240
gcaggtaaat ggaagcctat gagagctggg cgaaatggac cattcatctc acacttaatg 300
tttgtggatg atcctttact ctctggaaaa gcatcaataa gtcaaattaa atgtattcaa 360
catggcttga cgactctctg tgatatgtca tgacaa 396

<210> 15014
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15014

tattaaatta agtntattnt aatttattat aataaatggt atgatcaaat ttatgatata 60
agttctaata agatatgata acttattaaa taagcaattg attagttaat ctaacaacat 120
ctatgtattc tcatgaatta ttatctatct aaaaacattt tatttattat tcaaaacatt 180
actttcacia aaatcaatgt ttgaacagaa gtttataaac acagaanatt ataaattaaa 240
ttgaaatgca ttgaaaatat aatgattttt tataaccatta tttaatcatg tatatgataa 300
atgtgtttat ttttataata aatattttta gtcatttata agatgaattt tatttgattc 360
atatagcgta naaattaaat tntcattana tatttataaaa ctcaattctt aatagatatc 420
tag 423

<210> 15015
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15015

gaatgaaaga agcgggttgat tctcgcaaaa agaatttttc aaggacgaga aatagttgaa 60
ggactttttc agttgacggg ttaagtcaaa tgactcctat acttgataac ttacttctct 120
ctaaaaattnt ccggaatgat aaaatgaggt cacatgaacg tctatatttt tacttgaaaa 180
cacagtcaat caaatggctt tttctttttc tttttgaact gtcttgcttt actcgtcgtt 240
ntacggcacc ctcaccaa atgttagcacg agtaatctct aattgaacgg tcttggaagt 300
caacactcan gagcgcatgt tgcttgagca nacagagcaa tggctngcac tcacattcng 360

atggaagttg aataagcaat gatgtgt

387

<210> 15016
<211> 261
<212> DNA
<213> Glycine max

<400> 15016

gtgatcacct tggcaatctg atgctcacia tcatccatat ctatcactcc atcaagtgg 60
ctaccagat attagccgat cacatcatgg gagaatatat cacacttgcc tctgacaaga 120
cactctcgat catcatcact ctttctgtct gatatgtcag agggaatgct gacaatgaat 180
accctgacta ggccttcgta acagtcttcc agcttggtga ctgtcttcag tagaccagca 240
gacttggtga tgtccatgat c 261

<210> 15017
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15017

cgacactata gatactaagc tgtctgttta tactcactct ctcgttattg tgattggagt 60
tatatataag ataaaatgtc accaaatata atgagaaatc tgtcttanat aataaagatt 120
gaaaagaagc tntggtcttg cttttccttt tattcttctt tcatntgac cacttggtct 180
gtctatgtca aatngtctaa tgtaacaggc tttctgttgg gctgggtgca cttctccaag 240
gtgttgatgc aaatgatcac tgttcctggg gccattatct gtcttggtgtt ccaacttcaa 300
aatggagctg ccatacagag gcagcatatt gtcaggtaag caatttttta cctgaaagcc 360
tcttcatatg aataatatta tcagatcttc tgaattactt atgttcaccg acatnttatg 420
aatgggtatc tttaaccctt tttcatgcaa ttgttatatt gaatcattat atctctaaac 480
aaattggtga tctctaaaag tataatcat 509

<210> 15018
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15018

tgctcatgca tacgcataca catgcatatt tggtatcttg tgacaggggc aggattgttt 60
tatgcaatag tcaaacaccg agccaaatcc aaaggcagag acgaatcgat gtaagcagta 120
acgcggccat gatttgctgc gcaatgtcat ttctgcttt caagtactta tggatgggca 180
caagtagagg ttaggcccac gatcaacaga tcatcgctcc atgtccagct tcagacaagc 240
gagaagcgct actgggaggc agcctagtat cctttaaatt cctagatatt attgcttgtg 300
tgtctntaag gggatggctg gatgccttgt ttaccctang ggcttcgagt tagcgaacgc 360
cgacccatag agagcgcgta cctttgtttt 390

<210> 15019
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15019

tagtagagta ccgataatgt gtctaccatc acgattatcg tctccctttn tgcacatgtt 60
atgtagtgtc atcctatccg gaactatata agaatagtac tgatactgcc taacgaaggc 120
aaccattagg tctttccaag tatggactcg ggaagggttc aagttagtgt accaggtaac 180
agctacccca gtaagacttt cttggaagat atgtattagc agttcctcat ctttgcatat 240
gcccttatct tccgacaata catctttgga tggttcttgg ggcaagtagt ccccttgtag 300
ttgtcaaagt ccagcaccat gaacttgga ggggtgatga tattgggtac taagaacaac 360
tcttctaggt tagcaaaggc ataatctata cctncttcaa tggccctgag cctttcc 417

<210> 15020
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15020

ttctctacaa ttgcatcacc tctcaattat ctagtgaaga agaatgtggc atttaactgg 60
ggtgaaaaac aagagcaagc ctttgctttg cttaaagaag agcttactaa ggcacctgtt 120
ctagctcttc ctaacttttc taaaactttt gagctaaaat gtgatgcctc tggagtggga 180

gttgagctg tttgttgca aggtgggcac cctattgctt attttagtga anaacttcat 240
 ggtgcgaccc ttaactaccc cacctatgat aaagagcttt atgccttaat aagagcactc 300
 cgaacttggg aacattacct tgtttccaag gaatttgtca ttcatagtga tcaacaatca 360
 ctttaagttca ttagaggggca aagcatgtta nacaaaaggc atgcaaaatg ggtagagtac 420
 cta 423

<210> 15021
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15021

tttgagaggg ggtgggctac tgcacaaaaa agacaatgga tatttcagga atggggaaaa 60
 gggctctcggg agtttttagct gangcgggag agtctgtatt attatattat tatttctttc 120
 tctttccttt ntatttaaac ggtgcatttc attcgtecca cttgataaac attcgtectc 180
 gaattatgat ctatgactaa ccttgagttc aaacaagtga ggatacttct cacgcataat 240
 gatttctggg tcccaagtca tctcctctcc tgctggccct cttctagcca ctttactga 300
 tacaacatcc ttagaacgta tacgttcaca cg 332

<210> 15022
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15022

tcaacgggat cgacagaccc ttggcatcac tctatcagga tattatcact tggtcacata 60
 ccaaagtgtg acaattcatt gccatccttc aatggggcgc acaattgatc ccatagcctt 120
 acgttttctt gctgtgcaga aagagacagt caatctatgt tntccacaaa tggaaaaaaa 180
 agaagcatag aaaatcagat cataatcaat atcgcaaaaa tatggataga atgtcatgag 240
 cattacacaa ttttcatgat tcanaacctt ctgcattact agcatttcaa gatgaagggt 300
 gcatgcatct gcatccana tcatgttcat attaggctat aagtgcatag atntctcttt 360
 acataccact ntccaaatc taatctttca tgtttaggat gagaggccct tntatagagt 420

caacctcttg ctntctcat

439

<210> 15023
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15023

cgccaccag ctcgccagg cgagctcagc tcgctcaggc gagcanggtt gcttcctcca 60
gaagcaacag ccttttggag gaatcttctg gaaggcccaa gtgggcctgg ttgctatttg 120
caccgccatt nttactaagt acacccctg cctttntttg gtgattcttt tttcgtaaag 180
ttacggaaac ttacaaattt cgtaacgata cttgttttct ttccgtaatg ttacggaacc 240
ttgtggatta cataatcatt ccctttntga cttacgaaat gttacggaac ctactaatt 300
gtgcaacgat gcttccattt gatttccggt gtgtcacgga accttacaga tngtgcata 360
atatcttctt ttgctttcca gcatgtcccg gaattcacia attgcctaata gatgggtgcc 420
angcacctca caaggaccaa acaaaagttg catgtcatc 459

<210> 15024
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15024

ggtcactcat cactgcattg atctctctnt ctctctctgg ttntgggtctg taagggtgagc 60
ttctatagac cccacagtgt taactgcagt taagcgtgtg tagtcatttg ctacaacttc 120
gtactattca gacagacgta tcactcttct tcttaattac tacatcaaca atacaagtgc 180
aaactcgggt tctgatggaa ttttttcaca aacggaaaag ttacttttac atgcattnta 240
actgaaatga gacaaagtgt tcagtagacg ttgtcacggt gataagaacg aaagtataca 300
gagagagaag gaaaatatta aacaaaaaaa ataaagggca ggtcatatgt aatttttntt 360
aacatattta ctanaggatga aaggtagtac tctaattaac cagtcattnt aattttcacc 420
acttttcgca tatattatta tgggtgggcta tgccgacctg 460

<210> 15025
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15025

cgaggcaatg agactacata ngcacatgac acgttcacat tcgaggatcc ttgccggaag 60
 gcacaacgtg tttgtttgtc aactacactt ggggcactcc aaaacaaata aatgaccttt 120
 tgtttgatga tacattacat cctcgtagat gttccacaaa tattttgaga aggggaatgt 180
 acatgtaact aaaccctaga gtccaatcac caaccgacat tagtaattgg atgtgcatgt 240
 atccacgtac catacggcga atactagata atctcatcaa tgtgattact tgattgcttc 300
 agaggagaat cacgcatcta tctcctaata atatatcatt gcgtacgttg taaacatgca 360
 cg 362

<210> 15026
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15026

tcaaagttgg ccaatagtag ctgactctta gaactcttat ggccattggg ctctccctag 60
 aatgcatacc acanacacct tcatgtagtt ctgaagaac atagtaagcc tgggtcttggg 120
 caagacattn tgagtagagg tgaggagaaa cctctcctat atagtttgtc agtcactaag 180
 gtataccaga catcttgcac tcttagttgt ctggcttttc ccttgtctat tgtgagtgtc 240
 tcatgtttta agtactcgac tatctctttt ttccatctcg aagggccttc ctccacctgt 300
 aagcattctt ttcccagagat gttgggttcg ggaaccaaata ggagtgtgaa tgttnttagt 360
 taccaaggtt taggtcaagt tgcaagttaa gccaaactcg cggctttgtc attaaacttct 420
 tagcttatat gaatcaccta aacttctctc nactcttctt tg 462

<210> 15027
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15027

acactatcaa actaagctan agacctatat taactttata tgtacaatat attaaacagt 60
ttcaataatt tagaaccggc cttcttattc aacctattgt ataggattat agagatacaa 120
accaagtttc tttctttcta tattgctacg tgctccatac aatatataat taaactgtca 180
tataattacc aataaaattg tcatataatt aaaagtcatt ggaaattatg aaaattacgt 240
taacaattag atttaaagta ttatcctatt tggtaaaatc tttatactta catatatcaa 300
aatcaaatca aataattatg g 321

<210> 15028

<211> 485

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15028

gagatccata gatctaatacc aaggtagatg tttcataaat gggatntcgt tgcttggtt 60
gtttgattcc agtgccacct attcctttat atcctgtttg taagtagaaa aacttaagct 120
nttctgtgtc ttctttaaat aaagatctag tgggtggagac ccctactagt ggttntgtgt 180
taacttctta tgtgtgtttg aattgtcctg tggagatttc tagtagaaca ttcttgattg 240
at ttgatttg tttgcctttg agccagattg atgttattct tggtagggaa ctggtatctt 300
ccaaccatgt cttgtttaaac tgttttgata aaagtgtggt gtttgatgat tctgtagtga 360
gtaaagatat gatgtttatc tctgccaaca aagttatgac atctntaaag gaagatgctc 420
aagtgtacat gattctgtct aacctggata tagagaacaa ggtttctatg tgtgaacttc 480
ctatt 485

<210> 15029

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15029

ttgctgcatg gaagggaaaa ggtctgtatg gtggctcagca gaggagcaca aaccacaaac 60
ccttgcaaca ggtacagatt tctgattcaa ggccagctgg gttaccaagt taaccaatgc 120

atccagtttt ccttcaagct tcttaatttc agatgatgca gatggggttg tagctacctc 180
 atgcactcct ctaatgacta tggcatcatt tctggtgcta aactgttggg agttggaagc 240
 catcttctca attaaatttc tggcttcagc aggagtcag tctccaaggg ctccaccact 300
 ggtagcatct atcatacttc tcttcatatt actgagtnct tcataanaat attggagaag 360
 aagctgttct gaaatctgat ggtggtggca actggcacat agtttattaa atctctccta 420
 gtactcatac a 431

<210> 15030
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 15030

cactatcata ctacagcttcg gctattcaat tgctccagat tgctgcatag aagggaagt 60
 gtttgtatgg tggtcaccag aggagcatat accacagagt cttgcgacag gtacaaattt 120
 ttgattcatg gctagttagg ataccagggtt aaccaaggcg tctagtttaa cttcaagctt 180
 cttagtttca gatgatgcag atgaatttgt ggctacctca ttcacttctc taatgactat 240
 agcctcattt atggcgctaa actggtggga gtcggaagcc atcctctcaa ttaaatttct 300
 ggcttcagc 309

<210> 15031
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15031

tccagtaagg atattgtaag aattgcagct gatgtagctg ttngatcaa gtntaagaat 60
 gatcacggtg ttgcatacag agatcttaat acgcagagga ttctgttggg taagcatggg 120
 aatgcttgct tgggtgatat gggcattgtc actgcctgca agaatgtcgg agaggcaatg 180
 gattatgaaa ctgatgggta tccatgggta gcaccagagg ttngccccta atcacactct 240
 nttcaagtta gcaaagcaat tgctgaaatt atgaagaaaa caaatgtatc aggccactan 300
 gctgcatagt cttgtttaat tctgtattgc atctcgcata aatattccct atatttctcc 360
 ntgagtttct ttcaatagaa gaatanaatt aaagacctaa attctttaag acctagactc 420

tgcaatctgc atcaca

436

<210> 15032
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15032

nntgctgaga aaatggctct tttaatatth ccacagaaga taaatcagtt accctgtcgc 60
ctacaaaaaa agtatgtata gttgcaatat aaatgaagca tctatcctac aaggacacta 120
tttcaaacat atcgtaaaaa ttaacagtaa tgaaaaagac agattcattg ctagacaaat 180
gttagcctaa catcaagcaa aatggaagca cataatagcc agaataccta gtaacagaag 240
tggcatgatt aatagaacat caagcaatgt caaaatacct atcatgcatt gtgaagtaaa 300
cagttcagca gcctgagcaa gatatttata acacagagag tcatcacttg aatttccttc 360
agcctccact aactcatgcc tctcagaacg atcaccactc agaagaatat gactagcctt 420
ggaagggtgaa cacatatatt agaaaaggat acagaatana aatcaagata gtgacagtga 480
cagcccttct aacct 495

<210> 15033
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15033

ntntctcagg tttctctgca aaggtttcca agcgtaaag tataggaata tagattggag 60
ccacaattct actgtctccg tgcgagatac atttctttat gaatacatta tttctaagat 120
cccaacagtg agaatgtgca aaaatgactt ccaaagggtg tgcccaaatt tcaggataat 180
ccaacgggta acgagtctac gatcgtaatg ttactaagac aagtttgggt atatgcgga 240
tagagagagg ttttgggaga agaagaagac agaatgaact tgggaggagc aaaaagcata 300
gagacgtatc ctangatgta aactgaccta gtatgtctct atttatagct acgggactct 360
taagctatta tttattntat tttttctcta aaaaaataat tctattctac tttttcatca 420
gataaataac anattagaac atccatttat gtctacaaca tcatgttact ctatttattt 480

tctaatacta t

491

<210> 15034
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15034

gacactatga atactaagct tgttatgatt taagggtggga tcaacaacaa attgggtcag 60
atgttgctca acatatgtgt cgcaatctac ccttcggcgg gagggcgacg cgtgactcgc 120
gggatgcgtg ttccacgaaa ggaatacgcg cggagtcgcc accaacgttt atttgaggaa 180
aacgtcggat aaaccggata agacgcgac tacgaacttt taagtgaaag gctctggagt 240
tgtatttacg cgcggggaag gtattagcac cccacacatc cgtcacaagg gacggcaacc 300
tttaatcgaa tgtgcaaact tgacttttga ttttacgttc ccttttatgt ccttatatcc 360
tttataccct tnttatattn tattctc 387

<210> 15035
<211> 178
<212> DNA
<213> Glycine max

<400> 15035

tgtgctaaca ctattctgta cttgagaaga atcggaatga tcgatatgta tgaggacttg 60
gaattaggat aaaatctaag tatctgaata gcatcaccac attaacaaat aatataaatg 120
tcatgttatg gagagcccga taaaaacaaa acaaattaat gaagcctaca ctaataaa 178

<210> 15036
<211> 370
<212> DNA
<213> Glycine max

<400> 15036

tcacgatcgt cacgtgttga ttcaactatt gttattcgtg gatatacgag acatcttgcc 60
acacaatgtc aggatagcca taactcgctt gtgcttcttc ttccatgcca tatgtagcac 120
agatgttgat cctgtcaagt ttgatgaact tgaaaatgac gccgtaatta tactgagcca 180

gttgagatg tattttcccc ctgctttctt tcacatcatg attcacttga ttgagcatct 240
 ggtcagagat atcaaagtgt gcggtcctgc ttattagcgg aggacgtacc tgggtgaaca 300
 atacatgaag atcttagagg gtatacaata atctatatct ccagaagcat ctattgtgag 360
 aggacattac 370

<210> 15037
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15037

tatggacgtg tatcttagca acccttgact tgtagtcaaa tggatatctaa taaccacatc 60
 ctaatatgtt gggtttggtt gagttttatt cctcgggtga tgtttctatg caatgcttct 120
 aatgtgatgt ctcgatcac atgtaatat tcaattntc tagaattgaa ctccactcct 180
 tcaacaaaat cactcatttc cccatcgtaa tggataatag cctgaaaggc ttgcttttga 240
 gtaaacatta ttttggaat ggactaatga caaaattgag attgtacttt ggtgatattt 300
 gtgaatacac tagtagacat tataanatag atatagttga atagcagtat tatataccaa 360
 tcaattatga aacaactgtg gacagtgtga aattcacata atactgcctc angctctaca 420
 tcatgtttgc actgatcaat ccantgactc attggattcc taccttattt tcacctctat 480
 g 481

<210> 15038
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15038

aaaacttggtg ctattcattc ttttcatctc ttctcccttt tccanaaaga attcgccaag 60
 gactaactgc ctgaattctt tttgtgtctc ttttctccct tttccaaaag aacaaaggac 120
 taaccgcctg aattcttttg tgtctccctt ctcccttgtc aaagaattca aatgacaca 180
 gtatgagaat tcttttgatt ctctcccttc cctaatacaa aagtgttcaa aggactaacc 240
 gcctgagact tcttttgtag ccctattcac aaagtatcaa aggtttaacc gcctgagatc 300

tttgtcttaa cacattggag ggtacatcct ttgtggtaca agtagagggt acatctactt 360
 gngtttgact gataacaaga gaggttacat ctcttggtga tcagttctag tagaggggtac 420
 a 421

<210> 15039
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15039

ctctttactc tctcaactaa tcttccgacc ctacttatt gcgctgacaa ctatnnnana 60
 annannaaag agaattattga nacttggtca gtcgcatatc aaactcaact gtggcgctcg 120
 tacttaggggt tcgctttgat tttcgcgcta ttgtgtgcat tctctactag cttacctctt 180
 atatgccatt tttccggcgt ggtcctcgtg ctgtgttaaa gtgctgggtt ttgaaaatgt 240
 cgtgatgtgt agtcggaacc gagctgtttc atttctactc gaccgacgta tgaagtgttc 300
 ttcggttaact attagctttt atggaagaag cttttcctga gaaatttgaa catacggaag 360
 aagttcttcc atatgattca ttatgcagaa cttcactccc aatgcatact ctatccttcg 420
 gaaatatcta atttattctt cctcctcctc gattccccca actgtaccgg ctataatact 480
 cctataatgc tcaactcatcg tttttctacg tctgattatg cccatatcat aacttatttc 540
 ctaatacttc tctcgatatc tgcgcgcgcg ctttct 576

<210> 15040
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15040

tatgcgcata tttccctacg aacgttcact tgcacaagac atcctattat ctaagaaaaa 60
 tgcacccata tacaatcaag gtagcttcat tacctagatt atttacctgt acttccaaag 120
 tgtatttgtt atttacctca tacacgccat cttgtcaaaa ttacacaca tgcatactca 180
 aagcatttcg gggtagcaaa aattgcacat gcgctcatct tgggtatttct aatatctata 240
 catatacaaa cttcatgatg aatcttgact acctacgcaa taagggtgcta catttcatgc 300

tctgtgtttt tttttttttt caagtttttg ctacctaaag ccatatgcaa attcaagcat 360
atcttccctt gctgactaan attgtattca aattagaagg gatataatttg tttggaatat 420
gtttccctca cataacatgc aacacatcta tatatatat 459

<210> 15041
<211> 432
<212> DNA
<213> Glycine max

<400> 15041

caacgaagac agatgagaat atcagtgaat acttctcttt tatctccata ttatgcctag 60
acttgttacc ctacaattgt tctcgaaact accactaaaa ctatccgtta ctttatataa 120
ttcctctcat gggctatcta acctctattg ttttatgaca aattatgaga gatcacattt 180
tctttgatac taatatgata gcatgtgcat ggtcaagaat atcatataca tcgataaaat 240
atatgaaaga aaaataaatt gatacgattt aagaacaagt cgcttgctta tgtatcaggt 300
aatttgaaac tgacacgcat ggaggcaaga gataacgatg aaattgttga ctagagagtg 360
aagaacatag taagaatctc aatatcta atgtgtattata cagattcgat gcaagaaatg 420
tgtattgata ta 432

<210> 15042
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15042

gctcatcaat ntattaggaa ggtacaccca tcttaatttt cattgcctta cttccctttt 60
cattntccta atttgtatta agtgtggttt tagtttcttt atttttgaac ttttaataaat 120
atgggtcatt tgttacttct ctttnttact taaaatcttt acaaattaga tttgattaaa 180
ttgtttttct cagaactcat tagtcaaaat atcaaaattt tcacctaaat ataaaaagaa 240
attcaaaatt ttccttcttc acatcttaat ttcacatctc ataaaattta tgggaatttt 300
tcaacttatt tcttacttct atgcttctaa aattatttca tctctagaaa aanaagtaca 360
cggaagacca aatntactaa atntaaaggt anacttagca gaataanatc ttntcgttga 420
cataataacc ttctacagt ttcagttctg gcttctcttt tgagtaagtc ac 472

<210> 15043
 <211> 157
 <212> DNA
 <213> Glycine max

<400> 15043

acatatgttg atcatgaatg gatcatggcc ggatagcacc cttcaccagc aaacgacatt 60
 cagatggatg aggaagctca gcaggagcca cctcaccacc gaaacccttt tgagtctcta 120
 atgattaaga gaatggatgc tacccttcat ctccatc 157

<210> 15044
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15044

ntaatgaact tcaactttgg cttgagggtg taccctcccc aaccactatg gtgatatttg 60
 ctccacttaa gagccaccat antttggaat cccttgcctt gcaccacca atccatgatt 120
 ntgaaaggct tangtcccca gtcaatgatt ntggatctca aaagaatagg gcagtgggtct 180
 gaanaattcc tatccaacac aaactgggtg gtatcaggcc attgaaccag cccaatttca 240
 gataagaaaa acctgtccag cttactcatg gcacttccat taggtctgaa ccaagtgaac 300
 attctgccaa tagatctaac ctctcttaag gccataagtg aaatccaaga gttgaattca 360
 gcaatgctag aggagttgac cacattctga gatgaactca ctctctcatt ntgatgtcag 420
 tggagaaaagg tgatgaca 438

<210> 15045
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15045

tgtgcttaac actnttcttt acttgaaaag aatcggaag atcgatatgt atgaggactt 60
 ggaattagga taaaatctaa gtatctgaat agcatcacca cattaacaaa taatataaat 120
 gtcatgttat ggagagcccg ataaaaacaa aacaaattaa tgaagcctac actaaaaaaaa 180

aagtcacgca tgattgcatg ttataactat tttgttataa ttatcttgat accatttacc 240
aactgtcgct gttgtgccta acaaccaagt gtcaattagt ggctgtgaag atcaaccaca 300
caacgaatta atgactaaga ccttgcaaca agaaaaccaa ctgaaatgtt taaaaatgtg 360
ctcattcgat cttttaatta gcgntacaa tttccattnt cctacattat gaaatctgta 420
ctttagaaga acaattacac caatacaaag aaaagtaaat catgctgtca 470

<210> 15046
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15046

nttcgcanag cttacggtaa aatctgggac ctagccatgg tagaagtctc catagaggcc 60
attgcctccc tcgcccagta ttntgatcag ccgttgaagt gcttcacctt tggggacttc 120
cagctatcac ccatggtgga agagtttgaa gaaattctgg gatgccact gggaggaagg 180
aagccatata tttcctctgg gttctatccc tccatgacaa gagttgcaa ggtagtga 240
atctcagcac aagagttgga ccatgtaaag canaacagga atggnntagt cggagtacca 300
atgaagtggg tggaggaaag ggcaaagacc ttgacaaatc aaggcgaatg ggcttctttt 360
attgacatct tggcactttt gatctttgga gttgcctctt tccnatatgg aagggtagt 420
gacctacag atgacgcttt ctcgctttca tatggcagga tagccagtcg t 471

<210> 15047
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15047

tgtagcanat tcgaacgaca ataacatttc actcggaagt ccgattgtgt tccgtaatat 60
atcgacacgc tcaaaattta gaaccgaagg tcgcagcana ttctaacgac aataacattt 120
cactcgatc tccgattgag tcccgtata tatcgagacg ctcgaaattt aaaaccgaag 180
ctcgacgaa atgctaacga caataacatt tcactcgga gtccgattga gtcccgtaat 240
atatcgagac gctcaaaatt tagaaccgaa gctcgagca aatgctaacg acaataacat 300

ttcactcggg agtccgattg agtgccgtaa tatatcgaga cgctcgaaat ttaaaaccga 360
 tgctcgcagc aaattcgaac gacaataaca tttcactcgg aagtctattg agtcgcgaat 420
 ata 423

<210> 15048
 <211> 590
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15048

ccaactcatc cctnacatca tcaaatttaa taattcgctt atatactann nnnnnnaag 60
 aggggaatga acctggactg cgaacattaa actagcttgc tanagagatc aggatagata 120
 agcgactgag ggaaccagct cctctcccgt atatgacatt caccattgta ggagcgctga 180
 gcaccagcta cgcttccaag ccatcgaggg atggtcattt gtgcaggagc gactacttcc 240
 cctcacggac gactacctat actgacttat atgacgagat agatgaactg agggcgagca 300
 ttactgggta cctncatggc caagttgact cagacactgt cctcgaatta tatgcccattg 360
 cttgtcctac catagacggc ctgccagata tgcgactctc ggtgatgggt cagtggatcc 420
 ctatcgatgc cgatactctc tgaacaatcc tgggatagcc ctaatgtttg aggacgctca 480
 gcaatgcgaa actaccacat gacgaccngc tccactgggt cgatacagag ccatcaccat 540
 atgcacttat acatcggcag atatgacaga cttccgcaaa tacagaccgg 590

<210> 15049
 <211> 133
 <212> DNA
 <213> Glycine max
 <400> 15049

tatcttttac tcgatgatga tcgttcccgt ctataacgag acgctcgaca atgaatgggtg 60
 aagctctgag ccaattcatg cgactatata tttctactcg gatgtctgat cgatgcccggt 120
 aatatatcga gac 133

<210> 15050
 <211> 394
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15050

tactcagctt ctgatgtcta nggttttcta gagagagaat ggtccacgtt ccacacatgt 60
ttgatatctc tgttgtgtga agactanccg agaatcgagc tcgaagagga tgtcgacctg 120
agagcataat atgagttctgc gaggtagtgt gacgtttctat aggtggagga gacatcccca 180
ccactcgtat atcttcaatc catcatcttt ctactttcta tgttgcaaag ggagctttcc 240
agttatggag agctaactct ctggttggtc tacctttgat gtacttgacg taaatactct 300
gtatatctat tgcacgatgt cttgtgagtc cactgtgcta tcgaaacttc ttattacctt 360
gctgtgcctt gatcacatag atgcatgtgt cttt 394

<210> 15051

<211> 438

<212> DNA

<213> Glycine max

<400> 15051

actcagctat gttgcaacat tataatagat ctctcagca gcataaccaa caactatctg 60
aattattatg atctttacag caacagatac aatccagggt ggaggaatca tccaaatttg 120
agatgggcaa gcctccacac aacacagcct gctctgcttt ccagaatgct gctggtccaa 180
gctagccata tggtcctact ccaatacagt cggagtcaca acaaatacta caagcaactg 240
acgctcttcc tcaaccttcc ttaaaagagt tagtgaggca tatgaccatc cagaatatgc 300
aattacagta agagacaaga gcctttattc agagtttgac aaatcagatg gggcatatgg 360
ctactcaatt gatccaagct cagtcccaat atcttacaaa tattcttgac aactgtgcag 420
aatctgaaaa tgtgagtg 438

<210> 15052

<211> 575

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15052

ccccactcaa tattcatgat tcagactata tgtacactaa aannaaaaaa aagatagatg 60

aactgataca tcgaatacga actaagatac tgccgaagca gagaaggata ctgcatcact 120
 gcgctattaa gattgtagag cgaacaaacc atcctagatg atctgctcga ccacatacta 180
 tgectacatg cagcaccgca acaaaatatg gacttggaga ttcatatcga ccttgtataa 240
 tccatcatgg gtctaagact gcttaaggca tgaccttgcc tctgacttct tgacatacca 300
 atcaaagtgt cgcatacct gagactgata ctccatacat gctccctcga atgtccaagc 360
 tataccagcc gcaactcgaa tgacactgta ctctatcga aaaatgaaga acgctaccat 420
 agatatgcga cgacaatatc gcacctgcg agccatgcat atgctttgaa atgggaacca 480
 tacatatctg aggcgctgca cactctgaaa taatgtgcga tngngaaaagg aatatacaac 540
 acataactta gggcggattt ctcaaaacta ttgcg 575

<210> 15053
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15053

cgaggacgga annactggat accttgatac cccaccgatn tangcgacac tatagattac 60
 tcaagcatga tccaagatat gtgatatgca tgtgctaagg ggggcattat gaggttttgt 120
 cttattcggc atggctagga ctctagtagc catggcttaa tccaagatat tagatctgct 180
 tgacttgata ggggtgtatt gaagttctcg gagcggcata tccatccata cctccttctt 240
 agtcttgta aagntgggct tgtccacctg cttcttggtt aacatagcct caactcgaac 300
 ttgcgttctg ataatgctca ttctgctcgc tgctgaaca tggtcgcctt gtgctgccac 360
 tcttgcataa cgaatcgacg actccttgca tatgctattt gtgcacgtat ccaccggtgc 420
 atcgaccact atatgcctac gtgcgggata tccaaagcta tttttctgaa acatctcctg 480
 ataccctgaa gtggttctgt cttctctcgc atatgttgac caacgtcatc aacgnctact 540
 gactgcgctg gacaatacgc aactcg 566

<210> 15054
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 15054

ctcctactct catgttagca tgcattntct ttctttactc actcctcacg tatggtgttt 60
tagggataaa caccataact aaacgcgccg catgggatcc ctatcgcacc agatccatat 120
ctataacgat gggatgatcaa gaggagacgc atgaacagat gacagccgac atgtccgctc 180
tgaaagaaca tatggcctcc atgatggagg ccatgttatg catgaaacag ctcatggaga 240
ataacgcggg cactgccgcc gctgtcagtt cggcttgca agcagacccg actctcttgg 300
aactacgcac cattcttctc catacatagt aggaccgca agggacacac tgatgcacga 360
tggcagctct cacctgtgat acaaccgagc gggttaccct tattgattgt cgncaactat 420
taccacccat cttgcaaat atgcgggcac attgttct 458

<210> 15055

<211> 447

<212> DNA

<213> Glycine max

<400> 15055

cttctatggg catgggtatt gctagtttgc tcgataccac ttccttctat aactaggaac 60
atagtggcat ctgctgtaac gcttggttcg acttagtggt cctatacatg atgatatgcc 120
cgttggtgat tggcatgttg aacaagccac gcctgacatg tgtgaactga ttaccacggt 180
gcgacctcca ctggactcgc tgattattat gaccctgctg gatacctgat aactgtcttg 240
agatactctt tgatatttga tagctgggac agtgtggaac ggatgtacga atattgctta 300
catcatgcag ttatgtggac tttgacagat actctgtaga tacgcagaaa ttgcacaacg 360
ttgggcacct cgctaattgg ggctccaacc aggaggaatc actaagtgtg ttgacaggtc 420
acacctgtt actcttcttc taacatc 447

<210> 15056

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15056

cattcactnt cttctacatc atattctaac ttgtccacac atgacattga gacagtctcg 60
actcactgac agtcatatga gtcgtcatac aaccgatata gaacatatat cctaattgtca 120

catcctatcc gagcgtggcg atcccgtgtc ctctagcatg aggttcttga tagacatcca 180
cctattcatc tgctcccccg aacacatgat ccagatcatc acacgatctc aacacaacaa 240
cacacaggaa gtgagctatc acattcctag ctaatacaga atcaagacaa ttcaatatac 300
ttcttatata gttgagatac cacttgctca agcataactc acgtaacgtt accactgtca 360
catgtcaaaa tcactcttca attatcaacc acattacac 399

<210> 15057
<211> 219
<212> DNA
<213> Glycine max

<400> 15057
cgagatgagg aagtgttgaa gggtgaaact tcctgacttt attggtgact cacagagtgg 60
tacctggaga tatgtcgcgg aggtcatgag accttggtga cgtcagggtg tgtgctattg 120
cccaaaacca agcttgacca atcccgaccc aaccgggca tagtcggtca gtgagaacct 180
gtgatgtacc taagcaggcg agctcctcgc agtcaacag 219

<210> 15058
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15058

tgtagaatgg ctagacatga tacatgtcag ggtttggttt ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aagatgatga cttggaaatc ttatgcaaaa 120
ctgggtcatgc atgcacctat gtggacgctc aagtgtcana tttttatggt catgtgaagc 180
tagggctcag gattcatttc ctctatttta aatcaaccca atgtttccaa aatattgctct 240
tttatcaatt tatgcattta tcctagtcca tttcgtgcgt ccggcgaaat tntcacagca 300
ttcacgcttc aggtgtagac acgttatttc ttcanaaatc ggttatgatc aatgatattt 360
tttctcaaag aaaagttgga aatcatc 387

<210> 15059
<211> 447
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15059

tgatggtggtt gagaagaaat cacatgtttg tcatcatcaa anagggggag aatgtgaatg 60
tatgtataca tgattntgat aatgtcaaaa gaagaatcaa acaaggctca ttntgcttca 120
agattaatac aagattgttt caacaaacaa agccttaatt caagatttct tcaagatcaa 180
gccttgcttc acaatgaaag gtttcaagtc attcaaggca catgtaattg attaccaata 240
catgtaatcg attaccaatg gtttgaaagt gtgtaatcga ttacacatca tatgtaatcg 300
attaccagag actttgaatg ttgggaaatt caaatttaaa tgaagggtca caactgttca 360
agaaaaacaa ctgtgtaatt gattacacta attctgtaat cgataccaga gaggaattta 420
aggaatatcg caacagcaca tcttata 447

<210> 15060

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15060

atcctatctc cgatagccaa tgggtaagtt ccgtgcattt agttctaaag aaaaccggtc 60
tcaccgtgat caaaaatgag aaggaggagt tgattcctac tcgggtgcag aacagttgga 120
gggtctgcat cgactataag acgctgaacc atgttaccaa ataggaccat tttgcaactgc 180
cattcattga ccagatgctt gaacgcctgg caagattcta caggcgctct attagagaat 240
ttagcacggc acctgattgg accgccccat ttgagctaatt gtgcgatgca tncaattac 299

<210> 15061

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15061

tccattgttg aatctcgagc gtctcgatat atcatgcgct ntaatcggtc tctccgagtt 60
aanagttatg accatntgaa tttctcgaaa gcttccgttg atgaatttca agcgtctcga 120
tatattatgc gcttgaatcg gatctccgag tgagaagtta tgaccattta aatttctaga 180

gtccttccgt tgggtcaattt cgagcgtctc gatataattat gcgcctgaat cggacctccg 240
 agttaaaagt tatgaccatc tgaatttcta gagaccttcc gctgttcaat ttagagcgtc 300
 tcgatataatt atgcgcctga atcggacctc cgagtgaaga gttatgacca tctgaattgt 360
 tccagagctt ccattggtga atctcgagcg tctcgatata ttatgcgcct gaatcggacc 420
 tccgagtga aag 433

<210> 15062
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15062

gatatagata aagggagagc atacctttaa tgctaaatag tatgatgaaa tgggtaccacg 60
 tacattgtct gtaacaactg ttaaagtatc cttgatacta tgtcttgagt atagagataa 120
 taacgacaag ctcttatcag cccaatgcat gatataattt ataattacgc agttttattta 180
 atatcaccgg tgatatatag ctgattaata atattactgc taccagtgat tgctttacta 240
 gaagactatt aagcttcata gattaataaa ggttttgaat gacgaataac aggccataag 300
 ctgaattaat ctgttcattc ttagaanaca aaagaaggta catgaacctt acaattccac 360
 catttgtgtg tcttcacccc ttccaatcct acattggatc tcatgacaac cttgagacat 420
 cttacatgac attcgcacca tgtctcagaa ta 452

<210> 15063
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15063

ttgagccaat atcctgactc accataaacc ttgacctatg gtgagaatgt caatccttac 60
 cctcggaagc aaannaatga atagagggga aatctccaat caaagaacaa gagatggaat 120
 atttccaatg aaagcataaa aagaaaagaa ggaaaattcc ccaatcagag agtgtgagaa 180
 agcaaaaaaa gaatataaat gacattccca atcaatgagt gtgagaaagc aataagataa 240
 gaaagaagtt cccaatcaaa gaatgggaga tagagaaaaa aggggagaaa agaaggaaag 300

aaagctcctg atcaaggatc gaaagaaaac agaatacatg tgcataaagg tcttttaacc 360
agacaatatc tgaacaatac agatattgta ccaaataaac aat 403

<210> 15064
<211> 332
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15064

acgaatgaga aaatggngca aatgaagagg gtgagaaaga gggagaaacc catgctgtga 60
ctgccattcc tatactgccca agttccccac aatgtcatta ctcacactat aacaaacctg 120
ctccttacc accacccaga tatccacaga ggccatccct agatcaacca cacagactgt 180
ctaccgcact tccaatgacg aagaccacct ttagcacata ccanatgaac accaacaaaag 240
aggaattntg cagcataaaa gactgtatgt gtcaccccaa attccgttgt catatgctat 300
actngatccc atatccactc aatatttcaa tg 332

<210> 15065
<211> 463
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15065

tatanatgca tcaactnttaa tattctctgc ataanaactt anatgatgtt aatntaacia 60
ttatntactc anaaaggaga aattagaaga gaaaaattac aaattccttt ataatttaac 120
cctaagatat actcataatt agcagttatc atccaccttc ccttaacaca aggtcagtaa 180
gtgttgactt gccaccagtc atgtgcctag agtagccact atccaagtac catagtgagt 240
ctcttgcttt taggaacacc tacaagacaa aatcaattag agagaggtgg tacctaattg 300
tggttaggtc taacgaggtt aatttcacaa attaatctt taggagtcca aacacattta 360
tctctaggaa caccaaactc cctaacataa catttatagg acgcgtgtcc tctnttcttg 420
caataatgac aagtatttac attaagctta agatgaacta tac 463

<210> 15066
<211> 465

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15066

gtgatcatgt attccgaaat atatggggat aatacggatg cacattntat ctatatacaa 60
 ttgtttgttg cttgcttgaa tcttgatttc aggtattgta ttgtcatcat caaaaagggg 120
 gagattgtag ttgcaattgg ctttgatngt ttgatgatga tcatgatgat gtgttgcaat 180
 tgatgcatat gggcttttca agattaaaat tcaagacaat acttcaagat tacaagtcac 240
 aacatcaaga tgatcactag aatattagga aggggaattcc taattgaatt agcaaagggt 300
 tggccaagtg atataaaata aaaagtgttt ttcaaagggt ntactctctg gtaatcgatt 360
 accagaggat gtaatcgatt accagtggcc aaatacgttt tataacagct ataatnaatt 420
 gaattcgaaa tttaaaagct gtaatcgata cacaattgtg gaatc 465

<210> 15067
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15067

tgctgtccg atgcagccgt aatgatggcc cgagttatgt tggngaactg ttacgaaccc 60
 gggatgggtt taggcaaaga caacggcagc ataactagcc tgataaacgc caaaggaaat 120
 cgtgggaagt atgggttagg ctataagccc actcaggcag atataaagag aagcatcgcg 180
 ggaaggaaga gcggtagtca aaactcgcag ttgagacaag aaggtgaagg aagcccaccc 240
 tgccacataa gtaggagctn tataagcgcg ggtctggngg acgaaggta agtggtcgcg 300
 atatacgaag atgggtgttcc gagtacattg gatttggtag gaccaagccc tcttgattta 360
 cagctgggaa attggcgagt ggaagaacgc cccggcattt acgcgacgag cataatgtan 420
 acctttacag ttntaaaagc tctatagt 448

<210> 15068
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 15068

taaccaanag taaaagtgat aattaaaagt acacagtgaa tattaagag tgtangatag 60
aagaagacaa acacaagatt tatactgggt cagccacaaa tcatgcctac atccagtccc 120
caagcaactt acggttcttg agatttcttt caaccttgta aaatccatta caagccaaag 180
atccacaagg gatgtacctt ccttgttctt ctttgaaaaa ccaagtggat gtaccctcca 240
cttgaactga tacacaagag atgtaccctc tcttgttcaa agtataacaa tccccaaagta 300
gatgtaccct ctacttgtag cacanaggat gtaccctcca atgtgttggg acaaagaatt 360
ctcaggcggt tagtccttcg aatctttgta aaggggaaac aaaatatatc tcaggcggtt 420
agtcct 426

<210> 15069

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15069

tactaagctt gtctataccc tcttgaaata aatggtagag ntatgctgct cctcaaagga 60
aagattaaag gcattctata acaccctcc cttcaagtag gaaaccattg atcagggttag 120
aatgattaac aaagtgtacc ctctaaccga acatccaaat tntgttgggt aaaatatggt 180
ttcggtagca aaaaatattg tgaaattcaa gcttagttag ttataaaaat ttaatagttt 240
agtcctaaca tttgagggca agcaaagttg tgcttgatta ctagtgtgtc atgcgtttga 300
atctagaaat acgtaaggat aagactgtta aaaatattcg atctatgtta aaatgtaagg 360
actaaaaact tactatatat aggaactaaa tataacattn tgaaatattt tgtgggacaa 420
acatatctta tccaagaatn ttttcatgc acc 453

<210> 15070

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15070

tgtagagcat tgatngata ctgcttacct cataatgagg ctcagatgt ttacaatgga 60

atgatcggtt gctaccctgc agtgagacac acacggatac acacacacga cacacgtagg 120
agactaacgc tcgcggactc agacacatac agcaactcat acacacacac tcacgcagag 180
tgacgcacac attaagacat agacaaagac tccaacacag tgagcgacag acacactcag 240
aggtccacac gcaatgacac acacactgag tgacaaacac acagatacgc gtacacactc 300
acacacatgg acagacacac aactcgcac acgcataaag agacatacac tcacacacac 360
atagggagac agacacatag acacacgcag atgaagagac aaacacagac tcacgcactc 420
acacacagag tcacacacac ataatgagac ag 452

<210> 15071
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15071

tgggttggat gttgaattct ggttgttcct ggtgcggata tgattgtaca gcgggtgaac 60
caggggctga agtctctttt ggtgaggtag ccatggaaaa gcagagcgtt tggaatgggt 120
tagcaaattt ctgagagctg ttgggggatg ctgaatacga gattatcacg aatatataag 180
tttgaatgaa gaatgtaaaa ggccgtgtga agcaacggtc gaatttgctt tggttcagta 240
gtgaacgtgc tattaatggt aggtgattcg tttgggcacg tcagatatca gtagttgcta 300
caattcctct agcagacaaa tgcccagctt gccctcagt tattcaaact gttntgcac 360
caatgccttt gtaaaatata tgctatgttgc tctcagtggt tcacatgctc cagtgtgata 420
actctatcat caacaagctc tcttgatata gtgatgtctg atgtca 466

<210> 15072
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15072

tcttcagtta tgtcaacata gtctcttttc aacatcattt aattggtgta ctgatacatt 60
ctactaatat atggagttgg tcaacttgtt gcctgaggat gacaaatact agaccataac 120
aatgttagag ccggtaaagg acaatgggtc tttaaataag catgttatac atgcacaaac 180

aatcttacgt tattataaca caaatgattg catacattaa aaataggatt atcttgaatc 240
 tacctgaaca aaatgaatgt catagatgtg accaatgcat antttgcgaa gcacagaaga 300
 atctgttggt ggttgacttc taagaggaaa gaacgtcatg cttntgttta gagacaacga 360
 tacaaggatt acattatacc ttgatcaatg acatatctca 400

<210> 15073
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15073

aattatgaga cgaattcgag accagcttaa ctttcatggg actcgacaat ttcctctcat 60
 ataattacga tttttctatc ttatatnta taagtacaca gtttatgttg gagataat 120
 ctattgtgaa tttattatat caaaagtaca aaaataat 180
 ttctgtttct tcgactcatg taactaatac acatgacaga aaaacataat cttcaccaag 240
 accttaatat gttgctatct acaactagat taaagcatga tgacaaagtg ttgctagcat 300
 attatgtggg tttgaaaatt anaataatga ttgaagtga catataaata ggaagagata 360
 agaaggttca tgggatccat anaatagcga tcgttttcaa attctctatc tccatgctca 420
 aaaagcta atggcaactag atgacatttg gcagaacaac gacacatgg 469

<210> 15074
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15074

aagtttggtt aanaataagt ttaatgtaac ttgatttata tctggattct gtttacgttc 60
 aacaggataa caagagagga atgatttttg gataaatttc agtttgattg tataaatcac 120
 gttcaactca actcaaaaga atagcatgtt aaacaagcgg ngcagttatt atgacgggcg 180
 gatcttanaa aatgagatat taaaaacaac cattttcacg gaattacttt attgttggtg 240
 acagattaga cagggataaa actaattatg agataactaat ttgaataatt tctagtagaa 300
 aatgtcatag actaaaatat taaatacaga taatgataat atacatatgg attntgaaag 360

<210> 15075
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15075

tgaggagggt aaatgagaaa agatacattt ataattggtg cctgctatta gtagataatg 60
 ctaccaaggc ttgtgggttaa actaatataa tcaactgtgtg ctttttcttt tctttaagct 120
 tctcgtgtgt agttactgca tatattatnt aatttatgag aaatcttcat gttaaaacaa 180
 gactaactta gttcatgcaa gagaagattt ttcataagat attcagctcc agaagcagag 240
 cctacgttnt ttataatatt aattagagaa aaaaaaattg aacttttgaa aagcagtttc 300
 ttataagaca cttgggtttac ttataataat tatctttcaa agtataagag agaatttggtg 360
 cagagaaaac catattcagt aatcagtaga aagtataaac tactatcaag aaaaatagtg 420
 cacattcgga aacacgaagt ataagaaaag ttcanattta gaatcacaca tatccattta 480
 ttc 483

<210> 15076
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15076

tgaaaaattg aaaccctgaa acccgtcgaa natgcgacac tactagatag taagactcan 60
 cttagttgac actgatccat gataatgaac cgaagtgttt aacattatta ttcaacaatt 120
 gctactaata ctatctgaag cctccccgtt gatgtcatcc gaatcatgct actaaaacta 180
 taagaactac caaaactaag gtcaacatgt caatactcta caactaggca aaccaattta 240
 cctttatttg tacagtgtat taacaatcct gtgagctctc atccaaattt cctgaatgat 300
 gagtgaacta gctcttgatg ttagtcattt atctacaaca ggtacaacag tgaaaaccat 360
 caatataaga taaacgccat gccaaaaaag ataatgagat tacgacccaa tgttgtacat 420
 atcttcacaa tcattaagat acaggatcca tatatcatgg atgacacgtc tactaaaca 480

atgatcatca caaacttgat accgctcgac cn

512

<210> 15077
<211> 443
<212> DNA
<213> Glycine max

<400> 15077

ctgctgcgag catctactgc agacctactc aaccttagca gtcgaatctt tcacgacata 60
tcattgatga cctctccagt aacagggtacc atcccgggtg gacgaatcat accaacctta 120
tatggtcgca gacttcacat ctatctctac gtctacagca gccttatctt cagaatgctg 180
gtggcccaat aagaccatac gttccttcac cgactagcat ctacaacatc tcttgagtcc 240
ataacagcaa cagtgaagccc ctgcgacctt ccttgagaac ttggtgcaat gactatgcaa 300
ctgctgttca cggaaccaat ccttatcaga ctactacta gatggcaatt ggatccagct 360
aataacactg tccaatctg cagatacttt taactgccga tcctgaatgg ataccatact 420
ttgtcagaag catgcatgac tct 443

<210> 15078
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15078

ggcctcanag agatctagga aggacgcccgc ggccgcaggg tctagtgtg ctctgagtt 60
cgatagccat cgtttcagga gcgctgagca ccagcagcgt ttcgaagcca tcaagggatg 120
gtccttccat cgagagagac gcgctccaact catggacgac gagtacacgg atttctagga 180
ggagatagct cgccggcggtt ggacgtcgct ggtcactctc atggccaagt ttgatccaga 240
tatagtcttc gagttttacg ccaatgcttg gcctacagag gatggcgtag gggacctccg 300
gtcgtgggtg aggggcccagt ggattccttt cgatgcagac gccctcagtc agttcctgtg 360
atatccgcta gtattggagg agggccaaga gtgcgaatac ggtcagagga ggaaccgggc 420
cgatggattt gatgaggagg ccatcgctca gctgctatgc ataccatgtc aa 472

<210> 15079
<211> 476

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15079

tgtacgatta taagaaacat cttcttcgac cttggtgatc cttgactcta tctcatcgaa 60
tcgcatgtcc acttgtaact ccagagcadc aaacctttca ccaacaaagg tttgaagacc 120
atcgaacctg tccaaaacct tttgaagaag agaggaatct tcttcacat gtaaagtgtcc 180
ttcttcacat atgggttgag cacccttttt aacccaagag ccatcatgct ctttacggta 240
accaaaggat gcaatcacag tagcaccgat taagaaggat ctcttgattg aacataagg 300
ttcataatca agagggatgt tatagtgttt atggaagaga gtgactaggt gtggatatgg 360
caatggagca tttaatccca atgccttatg catgcgatat tggactaagt gtgcccaatc 420
aatntgtcgg cctttatgaa aagcccacat tacaataaga tcttcttcag aaacct 476

<210> 15080
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15080

ctgtanggct aaagtctcac gaatgtcacg tgttgatgca ataattgtta ttcgtggcta 60
tacaagacat cttgccagac aaagtcaggt tagccataac tcgectgtgc tttgtcttcc 120
atgccatatg tagcanagtc gttgatccta tcatgtttga tgagctggaa aatgaggctg 180
caattatact gtgccagttg gagatgtatt ttccccctac cttctttgac atcatgattc 240
acttgattat gcatctcgtc agagaaatca aatgttatgg tctgtttat ttgcagtgga 300
tgtccccagt tgagcgatac atgaagattt taaaatgata tgaatatcta tatatccaga 360
acatctattg ttgagaggac attgcagaag ngccattgaa ttctgtcaga atacatcgag 420
aagctaaacc tgttggcctt ctaagtctca gcatgatg 458

<210> 15081
<211> 271
<212> DNA
<213> Glycine max

<400> 15081

aacacaactt gagaatagag ctgaccatgc tgctgctgct acagaatatg gaataagtgt 60
 tgctcagtcc ctgacagaga aactatctac agtttctgga ctagatgctg gtgtatgaag 120
 tgggtgtgaag tccacagttt ctggaactca tactagtagt atgggtgtgg aacaggacaa 180
 ggtgggttct gagaatgact atttggtgga catactgacg cgtggcgatg aagacaggtc 240
 tctctctgag gtgatatcag atactctgca c 271

<210> 15082
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15082

atntgctgca tacattcctt ttctggaggg cgaattctct gnctactttt tcaatttata 60
 cccacnanac atctcaaccg gctcgagcta gaggcggtct tgcacattgg atgcgcggaa 120
 gacaggcttt gtggtagact tagggatggc ccaactgggat aactgcccgg ggggaaggga 180
 tactttctca atagtggcgc gcaccctatt ttacgcgaga gccctcatgc tctttaccgt 240
 gacctgtgga tgctaacaca tgagctccca ctctaaagga tctctcgacc gtcacacaac 300
 gctcataact cagagacatg tcatactggt cagcgtacac agttactacc cgcggtattc 360
 gctcaggagc atgcatccca atgactctgc atgccatccg ccttattgcg cccgcacctt 420
 cctgcttctc tantcgccct ttacataaaa tctctctcta acctgtcaca gctcaaatt 480
 tccc 484

<210> 15083
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15083

cacanaatct aggtatccaa aaccnctcaa tttaatggat tntcaagggt tgagaagtga 60
 aattgagaat gngntaaatt tggagcaaac tctcacctca cacaagtcta taacatcaat 120
 ttaaacttgt tcaaactgga tttacacctt aaattccacc gaaccaaatt ttgactcctc 180
 aacaccaat tttaccctag aaatggctct ttgttcactt tggtcatttg gttttctctc 240

tagcacagcc caaactttct cataagtcct aaatgacatt tcaagctagg attaactcac 300
 tttaacctcc aaataccact aaaccagat ttggccttcc aactctcaaa acctcactct 360
 ttntccactc ataacaccat attctcactn ttaaacttag gttaactcta cccttcatct 420
 ctaacagttt tccataagca atttcagcac ataaacatca caagcatcat cat 473

<210> 15084
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 15084

acactgagaa tgtttctcac tatattaatg cttatcccta tgactatatt atttattccg 60
 agaaagaatg gtcaacttgc aaaattccaa agtgagtttg ctactattgc aaaattttgg 120
 tgaaatattg gctaaatcta ttataaaaac tgtcttaatt cttttatgca gacctgctat 180
 gtcaaaacac ttgagcattt gtgatcgctg tgttgacga tttgatcatc actgtggatg 240
 gatggttagt aatctttgaa attcctcctc tttattttgtg gtggtctcat ttaatata 300
 tcatgtgtgt gtctggagat ctactaaaag ttgctttact cacagaacaa ctgcataagg 360
 gagaaaaaca cccagtattt catggctttt ctattatggg gagttctata ttcttacatg 420
 agtatcattt catggaatct 440

<210> 15085
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15085

ntcaccagat catataagat aaatgcattc aggcaatctg cagacatatt ctcccatagc 60
 tcaaattctc cgcttatata ttcaaccttt ccatcactgg cacgtggagt gaatcttctt 120
 ccatggtgca atattaaagt tatattgtca ttcattctac acaatcagaa accacaaaca 180
 ttgtcatata ttaggaaata aaaaacctaa ctcanactca aacataggca catcacacaa 240
 caacatgcaa tgtcatctat aaaaatagag catcatanac gaaaataata aaggaccata 300
 aacctcccta caaagcacga agacaatgca tatgaaaccc cttgaacata taaaacccca 360

tatgaatcca ccaaaacaat gcatatgata tgaacgcata ataaccacca acctgactgc 420
 caagcgcgaa cactcacaat caccgacaaa gagaatatag 460

<210> 15086
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15086

ntgacaagac agtacacact gctgtcttct tcaacanaat anaatagggt tatctactct 60
 aaagatacat ctaataatac ccataattat aataattagg attaggtaaa ataaaaataaa 120
 taacattatt aggtgctctt gaactattat atttcgatta gttttcacgt gatataataat 180
 taagagttat tgattctttc ttttagtaact tacaaaatctt cttctgtaaa aaaataactt 240
 aaattnttta aatgtgtcat ataaaaagat tgattcatat catgaatacg tgggtggata 300
 aagatcacct aatagatttt tctattcaag agtagtgaga aaatttaatt taagtgcact 360
 ataacgtctt agttataagt tntgtactta attatccac canaaatgaa tcttattttc 420
 caaagtgagt attattcaac atatgattaa gggatatgt gagtgaatat ttataaaaaa 480
 gtaactttga ctcagtgagt ttg 503

<210> 15087
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15087

tgagttcatc ttgtttaact tatctgtaac ctatcgttgt ttgttggtg aaattttcct 60
 taagcagttt ttaactgtat taatttagta ttttaataaa taatttaata atagataata 120
 atctatagga ctaattatgt ttttggttat tatacttttt tgcaaattaa acgttttagtt 180
 tccaaaggaa atttataaca tttttgtcc tatatttttc ctctatgaat tatttttagtt 240
 ttattgtcaa ataaaactta taaattaata acattaaaat tatattaaca atctaagac 300
 ttatcacgtc ttttaacgagt gtgatgaaac attcacatgt aatttatatt tgagcaaaat 360
 atattgttaa ttcccaatta atcgatgttt tatttttaag tctctaaaca aaaatttatc 420

taattt

426

<210> 15088
<211> 426
<212> DNA
<213> Glycine max

<400> 15088

cgctgtagtg aaatactggt acattcggaa ggccagaagc gttgtgtagt cctaagtcac 60
gtgggtagtg ctgcagaata tagagatttg cggacctctt ttatggggtg gtcagtgcaa 120
ctaatttagc tgctagggtt gccaatgttg ctgctggaag caattttgac gcatgcataa 180
tgagagcgta ttggtgtttg atattattag gcatgttacc tctcattcta gcaaattgga 240
gcgtaatgcc tctatttata cttatatagg ggtggggcat tttgggtaat gtattcgact 300
tatagcagtg ctttataacc ttcttagtcg tggatgtcat attgtgggtc tagtaggtat 360
acaattttta tttttttatt cacatatctg caaaaaaatc atgcaataac tgaacttagg 420
tcaaag 426

<210> 15089
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15089

tgactcatac canacatgac aagtntagca tgctntcatc atatttcttc acaaataact 60
atcataaggc ataaacctag taaaactacc catcatatct cccaaaaccc aataccacg 120
aaaatttatg tgagaaaaag tctacccaaa cctgaaatgt gaagtccac aatggagagg 180
tgcgcttcac gactccgaaa atggcttttt ttgcgaatt ggagcaaaaa tgggtgtacaa 240
aggttggagc tttgatggag cttcaatggt gaggaagaag aaaggaatag caacatgaga 300
aagagagggg gaanagcttc tgaatnntat tttttttgtg gctgagttag gagagagaga 360
acgtggcttg tggtttaaag gcttcctctt tttttttttt ttaacaaaag atgtgccaca 420
tgtcttcttt tgagtggagc anaaaggggt catttttttt ttcttgatgt gactcact 480
cagtcac 487

<210> 15090
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15090

nttcactcgg agatctgatt caggcgcata atatatcgag acgcttgata atgaacaacg 60
 gaagctctcg agaaattcca atggtcatta cctttaactc ggaggtctga tttaggcgca 120
 taatatatca agacngctcg aaatgaacaa cggaagctct ctagaaattc aaatgggtcat 180
 aacttttcac tccgagggtc gattcaagtg catgatatat ccagacgctc gaaattgaac 240
 aatagaagct ctcgagaaat tcaaattggcc ataaccttta actcggagggt ccgatttagg 300
 cgcataatat atcgagacgc tcgatattta acaatggaag ctcttgngca attccaatgg 360
 tcataactnt taactcggac gtccgattcg agtgcanaat atatcgagac gatcgaaatt 420
 gaataatgga agctattgag caattcatat gatcataact nttcacttgg aggtccgatn 480
 gaggcgcata atatatcg 498

<210> 15091
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15091

gaggtacaag ccctataggc agagcttgaa agagcccggg tagtcgaaga gaagttcaag 60
 tccatagcca tcatagtttg aaaagagtat gatgaactaa gggacgtcaa tatggccacc 120
 gctgaagcct tggaatgaga aaccaagaag gcccgaagg aagaacacga ccaaaacaag 180
 ttttgagggg ctttataggg cagcaatagt gagctcaagc tccgaagagg tgaaaggaat 240
 catcacgggt caaaggcatg atctggaagg acgagctana ggcttgccctt aggtcgaaaa 300
 gaaatttgct ccaacagtta aagcgagact gaagggaata tgtgggcat catcgataag 360
 tgcaaagaga agctaaatct agcggcgact cagagcaaa ggctagagga tgagtacgcc 420
 aagatatc 428

<210> 15092
 <211> 450

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15092

acactatgat actcagcttt agccnatgga cttaccttga' attaattcct ttgatagccc 60
ttttgagcct tgtttccctt tccttgatct gaagctcact acaagcctta agtgataaac 120
catgatatta ccatatcctt aaggaattnt ggagctttgg aattgttttg ggaataagtg 180
tnggggggat ttgggttcatt ggacaacttg ttatgttggc tatgcttcat gatgtatttt 240
gggccatact tgatgaacat tgtatattgg ttaaagtgtg gacatgctga atgaaatggt 300
gtttctcata ggctaaagag tacataacaa aaataaaatt cgaataaaga aaaagacaag 360
cagtaaagtt gagtgactaa gatcttatat ggcacaagaa tgatgaaact cttggttcta 420
ctcttcatgc ttaattatta tctttacttc 450

<210> 15093
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15093

tactcagctt aggttgctca ttgactccag attgctgcat ataaggacaa agatctgaat 60
ggtgatctat agaagaacat agaccacaga ctcttgcaac aggtgtagat ttctgattca 120
tggcaagctg agttactagg ttgaccaagg catcaagtn tctttcaagc tttgtattat 180
cagtagatga agatgaatcc atggccacct catggactcc tctaagaaca ataatatcat 240
ttcttgcat gaattcgtgg gagttggaag ccatcttctc aatcaaattc ctgcctcag 300
caggggtcat atcaccaaga gctccaccac tggcagcatc aatcatactc ctctccatgt 360
tgctaagtcc ctcatagaaa tattgaagaa g 391

<210> 15094
<211> 895
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15094

cccctccaac cagcgactcc gnnctcntnn ntectctccg tncntcttgc ggacacgatn 60
 anagncgach tncgaatnch ttgnactggt acaaagngta cgaataaact gatgcacnta 120
 aactnnntnn ncncaacgaa cggcagtagh agancctgtg gacgnncccc ntttggtan 180
 ntacngcctn ctatcgacat nncnccanca nncgnnanch ncanannach cnncgtcacc 240
 gnccgaccgt ganncacngc angtnaanac gntgcgccac tcntacatng ttcntacat 300
 cgctcgttta ttatgtcata tgtatagtta tagtgacaac ctctaactca nagcaacgcg 360
 cgggggacga atactcgcg cgtacttgact gatgacgcac agcacatgca atatatctcg 420
 caacactcct acaacagagt tatgacagca acacgtccac actgatactc agagatgaac 480
 gcgtgatacc gccgtgagcg actctctcgt canaagacac ataccgccga cactcgtcga 540
 cgctggctat cgccgctaca gtcgcgccgc caccacaacg acggtacacg acgagaacga 600
 ccgctcactn agccgtcata ttgaagtcga gactacaagc cgataacacc gagcacgacg 660
 cgatcggcgg cangactgaa tacaacaatc tctaagtatc atacaanata ttcctcaccg 720
 cagtcagcgc actgcgcgca cacgtgacag atgtcttatg atatcggcgg agcgccactc 780
 gctctaattg atcgtcgcaa cgcggctcaa gcaagatgca cataccggcg tcgcgcgcat 840
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<210> 15095
 <211> 676
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15095

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 aaaantnnnc nnacnnnncc acccccacat gagagagttt gactgccttt gagaggccac 120
 gtgatacaca acctananac anancantg acacacatca atacagatca cactctcagt 180
 cgaccacncg catcttttct tatentatat tagctaattc tagcactgac tatcgctaatt 240
 attacgcact ggctgcactc aantcagcat acaccagat ctgaactctc acgatttatc 300
 acatctgata catcattgca ctcatatcaa cgacnnttgt acattcanag gactacancg 360
 tctacacggc acctccgaga gctaggtact ctacagcgcg caatatcact atagagcaag 420
 taatgtcaca cactggagat agtgcggtgcg catcgcatct gcgcgagacg atcgattgat 480

tgaatcggta tatactacga caacatgatc ttagtatgaa gtgaacgcgc gactcctaata 540
 agaatacatg tgtgtcactg caccgtgacg taaaggaata cgtcgatgaa gatcgtgatg 600
 tagacaagaa tatacacgat taggacagcg ctgtatacgt cacatagtagc ataaggacgt 660
 gaatcgtgcc ttctcg 676

<210> 15096
 <211> 593
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15096

tacacgacta accggaccat cctentatcc accataaagt catttttcag ctagangtat 60
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 acnngaacc cgggaaacac tagaggaacc tgcaagctgc agcaatcact cgctgtataa 180
 catttatcaa tacactacac taaaggagaa caagggataa atacatcaga aagatcatac 240
 acgacttggc cttggaggga tatctatgaa cataacatgg aaggggacat aaaaagcttt 300
 taagattggc aaaaatgaac acttgggtctc tcaatatact ccaattttga ttcggacgac 360
 cgaaaacaga ttcgaaataa gagtccatta caagcgaaat agcataagtg gctacactcc 420
 caatcaacgg tgacggatag tcaaaagatt aggacacgag acatgtcaca tagagagcga 480
 gaatgtacgc attaagcgta aataagacag ctgacgctat caggacaggc gaatgcacac 540
 gcataacgaa actgaaaacg aatgcaagac atgaacggca cacgtagcca ccg 593

<210> 15097
 <211> 73
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15097

ccccccctcc ctcttcaaaa acctataact aaccannccc cagtgttgac tgacctcacc 60
 ccacaccccc ttt 73

<210> 15098
 <211> 500

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15098

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 agtcacctgc agcatgcaaa cagagctcag ttttatagct tctatgttaa ctgttcaaag 120
 tcgcgaatat aacctcggat ccctgtcgat acaaaactac taagaaatcc atgcaagcat 180
 attacttctt tgatgttaca ctgcacgagt tctacatgc tactcttcat ttcaccaggg 240
 aaaatttgag catatttctg actctattac tatacccaca caaatcattt tcacgactta 300
 tctcggtaac ctgattcaaa tccatgatca ggcctaccat tacattccag aattccaaag 360
 cttcaattct ctgacgacgc tgtgctaacc ttactcttga atgtctaaat atgctaaata 420
 taatgccatc ttctactgca tgccacaaaa catgctttca ttttggcatc ttaacatcct 480
 cggcgggaact agacaatttn 500

<210> 15099
 <211> 363
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15099

 cccccccact ctctgtcatg ttaggtcact tctataanna ncncccggcg gtgcctgaac 60
 tgtagcccan acgagnacct tcgtgccagc acgcttttat ttgggatggc cctgctattt 120
 ttattttggg cacaagcggc ttgcctactc ctcttagaaa aatgacacta ttttctacgg 180
 atcacaactt tactgaagga attgagcggg ctaaaaacct ttctgaagct gataaattca 240
 aacatttgga cactgctagc aggtaacctt ttcttactat accttataat aaatcataaa 300
 actcatgttt tctattctag gattttatatt ataatacctt ttaccacggc cgacacgcgc 360
 gcg 363

<210> 15100
 <211> 457
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 15100

atcangatat gattaaagac ttcataagtc tttcanaaga atacaaacaa cttcaaggaa 60

aacataaaga aaagatagat gattcctcag aaatttccac cgccaccatt gtgatgacct 120

ttgaatagtc taaatgccta aagacaactt taagcgtgta ccctctgata atcgaaggaa 180

antctcgtaa aagaaagtat cctaattcta attggaaaga cacttcagaa gttgaaaaat 240

caactgagag ggcttacaaa tgagtctact agactcaata aacatcatga ttggcctaata 300

taggaaaggt gtaatctatt ggaagaatgc cacaagttca tagaattatg aaacttcgag 360

gcaagtgaat aactattgan ggatgtgaag attaacaag ccaaaatctc aatgataact 420

tgacatatga ggtctcaaaa gaactcagat cttcact 457

<210> 15101

<211> 174

<212> DNA

<213> Glycine max

<400> 15101

atactgcagt tgtaccactt tcatcatcat agcaatagac cctaccaatc ctatggcctg 60

gtctatgcct accacaccac aagcactatt acctaattat ttaataagtt gctgattcac 120

ttctgctagg ttaagagaaa gcagttaaag ttaaattgtg gtaattgaaa caac 174

<210> 15102

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15102

agctntataa tggactttct cttcattgct actatcatca gtaatagtaa cagacttctg 60

tttcaatata acaagatcaa gatccaaaac actgaggtgt aattggactt actcattcca 120

gtcagagaag ttaagcccat taaaattggc acaaatgata cataagaatt cagtgaattg 180

ggaacatgta ttgcataata acattcacat aagtgttttg agacataaaa tacatgtcat 240

acatatgact tattcagata atgatcaatg tatattgatg ctctgctttg ggtgatacag 300

ttgcagaagc aagcttcatg atgaatcaag a 331

<210> 15103
 <211> 352
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15103

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 gtgaggtcta acatgtcatg tgagggaagc ctgtatattt ggcaactctg tccttttcta 120
 acagttggag aatgcattga agacaaactt tatgttttgt ctgttaatgc agttgcgtgt 180
 agtgcacacg tattactctt gcacacgtgt cactcgtgga gtgggcacgt actanatacg 240
 tgttgcgtgg gatatgaagt tgtcatgtgg tctcctcttg ccaatgacca ccgacacctc 300
 gaatttctat cttctttctc tcgaagtata agatctccct cacctacaca gc 352

<210> 15104
 <211> 74
 <212> DNA
 <213> Glycine max

 <400> 15104

 aaatattaca cgccgcccctc gcactttatc gagtactgtg gtattcatta acaatctagc 60
 gacatggaaa cccg 74

<210> 15105
 <211> 610
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15105

 ctcactcgnt catatcnttn tacatcttnt cncctcgcg gtnntctcnt actctactnn 60
 nnnnacncnc cncncncccc cncacccatg acgcncttt gancctttgt atacgtgtga 120
 ttagcacaca tanaatcaca cagcngacgg ctggcagtat gacntataaa gagtaccngg 180
 aactgttct ccaatatttc tctatataga accacattac acttcactgc ccgtctatca 240
 ccactacgga tttggaaacc cttgcgttcc catctaatac ccttgagata gttcactatc 300
 gttagtgtag taatcctaata atgccgccac gttcccctac cacattttga cagcctgata 360
 gcgaatgacg cctctctgaa ttatctactt cgccttgagc ggtttccac cgctgatgag 420

gacattcagt cgatctgctc tgtagcgcat aatataacat acccgaactc acctactccg 480
 ctgatgcaac ttcttgcgctc gatggaaatg aaatctatat tgatacaaac taattgttaa 540
 aagtaccgtg tactaactga ttaatttacc gcataaatat aattgtactt gcttagtata 600
 cagtatccccg 610

<210> 15106
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 15106

actcgccccg tccttaagca ctgagctgca ctttttttct atagcaatga ttgggcatca 60
 tgectcttat gacttacatc atttagccta ctgtgaagtg aacctctctc ttaattctgt 120
 cataaggtat gcttaagctc cacctgcagc tcatatcttt ctcttactg gccttctaaa 180
 aatggaaaag ctgtcaaatt gggggaggca cgaacaattt taatcctcca tatcattagc 240
 ttctcaaagt gattgaccta ttcaatctca ataaagtcaa tccaatccaa tgccgacacc 300
 tacattgctt gatgtaaagc caaatgtaga agtgtccc 338

<210> 15107
 <211> 588
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15107

aacagcgctt atctcctccn tctctcaaan taataaataa ttttttttgg ntgccccnnn 60
 nnnnnnnnnn cnnccccagc gacgngttgg gcccttgaac ccctagacac anccaccnca 120
 caancnanna anacacncac cngcgcacca gagttaaaaa cgagaccttt accattttgt 180
 tcttcgtcac acacccccaa agacaacgcc aaggatacca ctatcagtct tactaaciaa 240
 ctcttgcatc gtatgtcgcc catctcaagc agagcgacta gcttgggttg ccctctctg 300
 tgtgcaaata taccacacac tggcaacagg cataaagttc tctatatagg cgcacatct 360
 actgcgtaac acaactgact gaattcggaa cagacataa ttaatacaac gccggtgcta 420
 ctgaggtact atctacagac gttcaagaca gagatcgtgt cttctaactt tatcgcgcac 480

<400> 15110

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acattaatgt agtacattta tgaacatgcg catgtgtaaa atatcctact atatatgtca 180

acatacgagg acattcatca cattctagtt accacacata tatacatctg tgaaaagaat 240

acacatttcc atgctcaatg cattgagcaa aaattacacc tattcacata ctatatatat 300

tgctatcaca aactacctac acatatgtga agatgtatca taaaatttct gtatgtactc 360

catatattat atcacactga aagtaatacg tatg 394

<210> 15111

<211> 259

<212> DNA

<213> Glycine max

<400> 15111

agcttaattg ataaatgtca tactgctgat cattcctttt gtgtttcatc acacgcaatt 60

tgatcaattt atactgtgta ataattttgg cactgggtatc gatacatcct ctgtaatcga 120

taccagagaa taatctcttg acaagacttt taatttaagt tcttggcaaa ccttttgttc 180

atcattagaa ttccttctat tatatccctt ctaaactcta aacatctgat atcatctgat 240

tcttaattct tgctgataa 259

<210> 15112

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15112

agcttctaca ttcaatttgc agcttttgcga tatattacgg gactcaatcg gacatccgag 60

taaaaagtta ttgtagtttg aatntgctca aggcttcagt attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttgttt gaatntgctc 180

agagcttctg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240

agtacaaaagt tattgtagtt tgaatttgct caaggcttcg gtattccatt tcgagcgtct 300

cgatgaatta cgggactcaa tcagacatcc gagtcaaaag ttattgggtcg ttgaatttgc 360
tcagagcttc tacattcaat ctcgagcttg tcgatatatt acgggactca atcagac 417

<210> 15113
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15113

actcggatgt catattgagt tccgtaatat atcgaaaagc tcgaaattga atgttgaagc 60
tctaagcaaa ttcaaacgac aaaanacttt tactcggatg tctgattgag tcccgtata 120
tatcgaaaag ctcgaatgtg aatgtagaag ctctgagcat attcaaacga caataactnt 180
ttactcggat gtctgattga gtcccgtaat atatcgagat gctcgaaatg gaataccgaa 240
gctctgacaa atncaaacaa taataacttt ttactcggat gtccgattga gtcccgtaat 300
atatac 305

<210> 15114
<211> 308
<212> DNA
<213> Glycine max

<400> 15114

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aaccaagatc tcattttattc aacttcattc tcttcttctt cttcttcttt ttttatttga 120
acgtgaacaa tagcaattga aagcatttga aaaataaagc aacaattagg caatatatgt 180
atatacatca agcatggcca acaacaacat atcatccaat gaaacatacc ccccttcaca 240
cttattccca aaacaattcc aaagcttcca aattccttaa aggtagggtg aaatcatggt 300
ttttcacc 308

<210> 15115
<211> 213
<212> DNA
<213> Glycine max

<400> 15115

acaggctcaa tttccatagc tttatgtgat tatagataat ctggccctat ggctctttag 60

acaactatatt gtgaccgatg ccgagaggag ccttctataa tatctactca caggtatata 120
 cataactcccc tgaatcacct ctcttttgtg tagcctaaaa atgacatgat gttaactggg 180
 agacctccca tttgatttca cctatcacct tca 213

<210> 15116
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15116

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 acgaaatattt taggcttaac acgtatacca cggacatccg gactgggggtt gcttgtgcac 120
 aacacacccc tgtaccccca atcgatatac tcagcccttc ctcggtacca gctgacaccc 180
 ctcttgccac tgtctctttg gcatctccgg tctacaagga tacacgagcc gagcctactg 240
 cttggaaaaa ctctgccaac gtacgaatta gccacaaacc ctagtacttc caccagctgc 300
 actaacctcg ctacatccga gacgtctaac acatgttcga cgactactcg tcatgctcta 360
 ggaagtatta cttaccttgt tgctacactg gacgcctggt ccacatc 407

<210> 15117
 <211> 702
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15117

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 ttngganctt gacnacntt tggannacn nanacacnan gccatantaa tgggcatana 180
 gatangcgaa accagnctc gcgaaactta ttctcaacta ttctattctt canatacaca 240
 cagcgctcc atacgaagaa agcacgagta tataatgtgc antaagcaa taccatttng 300
 tctgcgtacg tgcaaattac atattatacc atcgtggcat acatactcat cagcagaatc 360
 acaacgtagc acaacactca aactcatat cgatactata cgagcatgaa aactctggc 420
 gngatgggaa catgtgagtc acctgacatc cacaacatgc actctcacac aaaatcgtga 480

[illegible]

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<223>      unsure at all n locations
<400>      15118
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<210>	15119
<211>	544
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      15119
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6361

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 taaaaatnta tgcctgtcca ttggtctngg ggtgggatgg tgtggatacc ctgtgacaac 480
 ctcgtacttt taagcaatga tgcattgatn tgtgcaaaat gggttcttga tacgtacgat 540
 gctn 544

<210> 15120
 <211> 301
 <212> DNA
 <213> Glycine max
 <400> 15120

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 gaacttgagt gttttgtgag ccaccttgat gtcaccctaa catcaagtgt tggacctgag 180
 tgtgtagagc tgatctctat tgttcagaga gcaatctctg gtgtgtcttt gatttatttg 240
 tatacaccgg agagtgattg agagggagtg agatggcgct tcatatctaa gaggggctct 300
 t 301

<210> 15121
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15121

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 tntgagcaaa ttcaaacgac aataaccttt tactcggatg tctgattgag tcccgtata 120
 tatcgagacg ctcgatattg aatgttgaag ctgagagcaa attcanacga caataacttc 180
 ttactcggat gtgtgattga gaccgcgcat atatcgagac gctcgaaatt gaatggtgaa 240
 gctctgagca gattcatacg acgataactt tctactctga tgtctgattg agtgccgcaa 300
 tatatc 306

<210> 15122
 <211> 455
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15122

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gcgggagtga ccgtgacact gtgaaccgcg gaccggagcc cgagaaccga agcagcgcn 120
gatcattgt tacaatctac aattgacgca agtaatcggg acacgcaaac ctgatgggct 180
aggccaaagc atcgagacta gcatggaagc ctcagaatac gggactgggc tagctaaacc 240
caacacgaga ggaaaacaac tgctgagatg caatccgggc aaaggccgcg gagaaacaag 300
gacgaaggcc gcgccacag ggaactcgaa aacggcccg gacagagagc ggtgaaaatc 360
aagatgtgta caggcaggaa ggacctcacc ccccgaccac tggaacagca aaggaacccc 420
cacacaaaa agtccccggg taaccataa ggccg 455

<210> 15123

<211> 604

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15123

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annnaannnn cncgatgaa gatgatccat tgaaacgcta cacaacatac naagcangca 120
tacgcaatga gttggctcgt atataagtct atcagtgtac tctttattta ccancaccta 180
ttcagtaact agtagagtga tcatcatggc tgtgtactat ctacacaaga gtctcgatgc 240
aagccctgat agtaagcnga tatatcgca ctaacatatt cgattgaatg gttctacata 300
tataacatct ttgcgtcaac attatggtac tttcggaaga tntgtagata ttctcatgtg 360
tactccatct ttcttagcag aacatccatt aatcgaacaa tgtgaccac ttcagttcaa 420
gctaacagat aagatagtga acatctactg tctcataatc gaggatatca ctcagcagat 480
acatccctaa cgatgcactt accacgtaac gcatgagata cctatatagg atntgctctg 540
atgccatccc agcgcccgga gttagccacc gagacttata catattgtcg cagccgcaa 600
ctcn 604

<210> 15124

<211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15124

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 gcaataaagt agcctagaaa atttgcatgt tgatttctaa aaattccttc acaaccagga 180
 gaaccaggac tttgtcttta gcataaccat ttttggtaca ttaatttgat ccacccatgt 240
 ataggagggt acgagttcac ctaattaatg gttatacttt ttcttgatg tntttcaatc 300
 cccatagccc tacacatgat gaattcatat tattttatga atcanattaa tccaattaat 360
 caatttgatt tgttttctaa actatcatat atataggaga aattaaatat atcagataac 420
 tttgattaca gtacatcatt tataac 446

<210> 15125
 <211> 605
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15125

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 ggagcgagggt ttnccatca ttacgcgcac ttagatactc agcttcgagg tgtctcgttc 120
 tattgaagac natgggctaa nnnnnnnntt gtaatatata gaccacangt caactctcnt 180
 tgctgaccca taaaagtcaa cttccttgca cncacgcca agttggtcaa ttttcaagta 240
 ctgaggatga gacattggca tgcattgatg gtattataat attcatagat tntcccatca 300
 agtgcaagnn ttcatatcta taagagtaga gnntatttgg ctaacttact aatnngnntn 360
 ctctactgtt cttaatgcaa gtttgattca ctgtgtaatg aaagttcaat ttcattact 420
 tattttcatg aatctatcaa tgtggnactt tctgtcgng tcgtgccaat angatggcta 480
 accaaactta tgaatgtggt ngttagttag tgtgngcatg tatatacaac gtctacgtgc 540
 attcttgcaa tatggacgta gagcagtgtg aaacgnnttc agngatanan ccacgttact 600
 tttgt 605

<210> 15126
 <211> 457
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15126

 gtgaccattg anaccttgan tccttgaata cacggaacca ggtgctccga gtacctaaagc 60
 caccgcttgt tcattctccc tctttctcga atgggtcaag cggctcatcg gaccagataa 120
 acatctcgct cccggggagt gcgagctatc ttcagattgg ctgtagcat cacaaccat 180
 gggatatttt ggtgttgagc agatctcgaa tgcgtgggtt gctttctctt ttgccccag 240
 cggccactgg gccgctcgtc ttaataacctg tccgcaaagtg gtgacctcta tcgcacaccg 300
 gtgtggcgat tattggttgc tccccgggta aaccccaaag ttttattggc cccaataaat 360
 tcgcgaaata ttggcacact taatcctgtg cgaatgattt cctccccacc cccaataatc 420
 catcgatac taaactgcaa ccggtggccc aaatacg 457

<210> 15127
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15127

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 ataataatata cattctactt tntttgaact acctaatatt agtgtgtttc ttgcattaat 120
 ggttgtggag gtttgaaaaa aatgaatttt cataaaaaat atcattttcc ccattttctta 180
 taaataatga aaaaataatt aatgatttag agagggtccat caagtctcaa ctctaaacac 240
 atagtacaaa atgttgttct aacaaaaaga atatcaatac aaaccggaaa atcaaccctt 300
 tcnaagcact gaatttgctc tacttgcaact cctctactt gcttgattaa atttaaatac 360
 tttctcgga agacaaatgc aatatgaaaa ggctataaat atatacatat tacttcatat 420
 cttcacgtca 430

<210> 15128
 <211> 416
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15128

tgcagctttt actaaatggt tggcccatat ttctctatac ttgtaacacc actcattgag 60
taggtgagga accatgttcc tctcatgaga tgacgcccga gaaatgatgt ttatgacctt 120
gccttacttc actaagctgg caccactaaa acatatgggt ttgttcgtta tacaggcggt 180
gagaaaaatc ccatcgtttc agaacctcag gattagatgt caaatccttt tcaaggagga 240
tggaatgatg cattcctacc ccgcaaggca ttggataaat actccaagta atgggcagaa 300
tgcagaaagc cctaggttta tgaccttagg aattcggcca tggctaagtc gacccttat 360
cttgtaatat taataagggt catttttggg cttgtttaag gtccttatga agtggg 416

<210> 15129

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15129

ccccccctg ttgtatagtt gtgatcttac aattccctct ncnccccgt ttatgaccat 60
gtacgtctac cgaactgcaa caagcgcaacc gtgagcttcc tgaatctatc taatgctgct 120
atctacaact ttaattatga atcattagaa ggacccttac actcatcccg ctaatctaag 180
gtattgagtg ttgacaagct tataagtata tgatggctaa agtcttgtag tgcgcaagtt 240
cgtcaagtaa ttcatctatc attgtagtct aagcaccagt cttagccttggt tattgatact 300
tgataatgct ttgctcgtaa ctgtagcaact ccacttaaga acttccacgt gaacttactc 360
attgtggagc aaatcttaca gcaattctcg agtagatttc aactaacatc tcttgctggt 420
aaagcatgac tatccacaac cacacagact tagtggcttg tctctacacg ctttgaaaca 480
tctatactac t 491

<210> 15130

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15130

agcttccatc atanggtacc ctagaaatat angatntttc agctattgta ttttaaggca 60
 cctagactag tttttgtatt aagggtagtt ttgtaatttc acatgcacta agtgaatatt 120
 tgatgtgtgt gttgggaaat aaatttaatt gaattggtag aacccccaat ccaattaaat 180
 tttagagggg gaggtgaaca ttntcttact acaccccatt gccacatcat atagtcacac 240
 tttgtgcatg tctttcatgc tttacatgtc tcatgacacc taagcacaat tagtggagaa 300
 tcttggaatt gatcttggat tagtgggctg aaccataact ganattcact aatcataatt 360
 agt 363

<210> 15131
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15131

cctacatgga aattatataa aaggtaacag cgaataagta atacaaagtc caaaattgan 60
 aagaatataa aacaagttta cttttaacaa acctatntca tataaagcac tgcagatgtc 120
 aataacagag aaacaaatta ccttttatat atctcagtat cagttgtgct ggtagtgcac 180
 aagacaacag ctgttatatt gtctttctgc ttctcaagaa accgccgcac agttcctgaa 240
 taanatgacc ttagaagaat atatagaaca aatggacaat acanagtgtg gaaacctaatt 300
 aataatatat tatccatcag acatcagaaa acagttaaca acatagacaa tcactatgtc 360
 tat 363

<210> 15132
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 15132

agcttgctg tccgatgcag cagtaatgat ggcccagatt atgttgggga acggttacga 60
 acccagaatg ggtttaggca aagagaacgg cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa gccactcag gcggatatga agagaagcat 180
 cgcggaagg aagagcgggt gtcaaagctc gcgttgagaa caagaaagtg aatgaagccc 240

gccctgccac ataagtagaa gctttataag agcgggtctg ggagacaaag gtcaagtgg 300
cgcaatatgc gaagatgatg ttccgagtac attgggattg gtacgaccat gcccttctga 360

<210> 15133
<211> 283
<212> DNA
<213> Glycine max

<400> 15133
tccttcacaa ataactacca taaggcataa acctagtaaa actacacatc atatctccca 60
aacacccaat acccacgaaa ttatgtgaga aagaagtcta cccaaacctg aaatttgaag 120
tcccacaacg tagaggtgcg cttcacgact ccgaaaatgg cttcctttcg cgatttggag 180
caaaaatggg gtgcaaaggt tgaagctttg acggagcttc aatgggtgagg aagatgaaga 240
gaatatcaac gagagagagg gggagaatag cttctgaact ttt 283

<210> 15134
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15134
agcttcttat ccaatgtca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc catgggtggaa 120
aatcaccatt taagaacctc attgaagctc anagateccag cctccataga agccccataa 180
gcaagcttcc atcaacatct cttctggatc agttcaagtg gaggggtacat ccacttggtt 240
gttcaaagag aacaagggag ggtacatctc ttatgaatct ttgcttgtaa aggtttttac 300
aacgttgaaa agaaatctca aggaccgcaa gtcgcttggg gactggatct aagcacgggt 360
tgttgccgaa ccagtataaaa actcttgtgt ntgtcttctt cttccctaca ctctntaatt 420
tccgctgtgc actntaatta tcgc 444

<210> 15135
<211> 257
<212> DNA
<213> Glycine max

<400> 15135

tgagtgtgct cacaactcta ttctcaagta cacagtgtac catgtttatt ataacaggac 60
 ttcttggagc ttctgagaaa ctctgaaact ctgaaaact ctgaactaac tactcccacc 120
 ctttactact actcttgagc tctagagatc taagactgac tactcctatt ttatactact 180
 actctgatga actactactc cccctgacaa ctgatcaaaa gctctcaact taagccaata 240
 agtaacttct ctatgca 257

<210> 15136
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15136

agcttgtcaa gccctttagc ttggacaagt gttgtacggg ctatttctgc taagttgtcc 60
 agagtggaca cactntntgt tntacaggtg aagtcagacg tattgcacag aanagatgtt 120
 tgtatttgac aattctgccc tattntgacc attggagaac acattgaagg catgtgtttc 180
 attnttcttt tgttgcaagt gagtgcaaca caagcacgct actcttgcac atgtgtcacc 240
 cgtagagtgg acacatactg gagacgcggt gtgcggttgc gtgggggtgc attgtggtgc 300
 aaacttcaa ggcattcattt cagctcctgc cagctaccga agagtgtgac ctccacttaa 360
 attatgtgta cgtttgatnn tttatcacca ccactttgaa tntctactct ct 412

<210> 15137
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15137

acaatgatca caaaattcaa gtntatctag tttatcacca cctaacagaa tttgtttctc 60
 aagttcatgt aatcctctnt cactaacatg acctaatctc anatgccaaa gttttgtttt 120
 atcaatcaat gtattactag ctatcaatgc atgtccaaca atggtggaac cttcaagaat 180
 aaacaagcca ttacttttat tcttggtacc cttagctatg attaaagatc catttgaaat 240
 cttaagaaca ccatttataa ttctagttga atatcatgga tcatcaaaca ntgttatgga 300
 aataagattt cttttgagtt ctggaatggt accttacatt ttcagtagat actctctatt 360

atcaaacatc tttaatctca ca

382

<210> 15138
<211> 341
<212> DNA
<213> Glycine max

<400> 15138

ttcggcgatt cagctcgtcc cgggatctct aagtcacctg cagcatcaag cttatcctaa 60
cgtgtaatac aacaccgtcg atgaatattt gaatcagttt gtctgatttc tgaggaactg 120
gtgcaatgca attattgttg atctggtaag tgcgcaataa aaccgtagg cttgtatact 180
ttatgcaaaa ttgcttgctt ttgtcctacc cttcggaac catccacatt gatgtgatct 240
tcttttcacc tacaagaatg agtaataata ctctaactcg cagtccgaag cactgggttac 300
aaatatttac attattcttg aatacatgtc actgggcatt t 341

<210> 15139
<211> 101
<212> DNA
<213> Glycine max

<400> 15139

acaactatat acgcaattac atgtacatac tgatatatgt catctactga tactagcaat 60
cacactcttg cctatcaatc tcttcttctc ctcatacaca t 101

<210> 15140
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15140

agcttgtgaa gaactaaact gtgagcaagc tgaaccacaca ttntgaaatt cttgacagga 60
gatatcttca tgtaaagtgt ttgggtagga agaatttatt gtatggggttg agaccatgta 120
atttcagtca atctctacat gacacattat taactctttc tcctaaattg aaaaatgtag 180
ttaagtgtca cgtggagatt gactgaaatc acatagtccc ggatcatata ataatttatc 240
ccangcaagt ngtcttcaaa ggccaatgga cacaaaccgt cttagaagaa catctgggta 300

tgtcacacaa gatcaacaag actattcecca tcactta

337

<210> 15141
<211> 60
<212> DNA
<213> Glycine max

<400> 15141

gatattacgt atcttaccgc tcacatgatc tgtatactca cattgagtc tctgagggcg 60

<210> 15142
<211> 209
<212> DNA
<213> Glycine max

<400> 15142

gaacttctcg cttttattcg ttgaccacag agtgggtacct ggagatatgt cgcggaggtc 60

aagagacctt ggggacgtca ggtgggggtgc tattgcccac aaccaagctt gaccaatccc 120

gacccaacct gggcatagtc ggtcagtgag aacctgtgat gtacctaaac aggcgagctc 180

ctggcagtc acagataaaa ggaacaaag 209

<210> 15143
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15143

cctacacctt tatttacatg acaaggcaac tagttgtgca tgctgaatgt agtgtatgac 60

tagaggcaat ccatctgact tacaaacctt tgatcctgag atagatagga catttcatag 120

attatntagg catcattnta taccttttga tcacctgag cattccatta ctgggtgaatc 180

tgtgcattct gttattggtg attttgaaca tcttgattnt gagcattata attttgagca 240

ttctgattct aaatattctg atgttgaaca ttctaagaac atggcacaac ctccaccct 299

<210> 15144
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15144

tccccgccac cacgacacac aactacgaag acacgcgtga ctgtggaccg ctgccaccgt 60

cccannanca gacggccaac tgaaccttgg aaccttaaaa ccgacganna cacgaacncc 120

ggaagcggaa aggccaacgc accaccgttt atatatcgcc agcgcacccc tacaggaacg 180

acggcacaat accgaacccc gagatcgaca cgtggggcgca gcagcgggag aacgacacag 240

aacggcgaac gcgaagggaa gagcgacgca taaagaaaag caagggctac gagagcgca 300

cgcgcgacgc acagcacgga agtgccacac acaccggcag gcgaagaggc acgacgcgag 360

cacgagcgag aggcacgaag cggcgctcgca cgccaaagag gaggcgacgg cgagccggac 420

gcgacgaggt acaggaacac gcaaaagagg acacgcgggc agggaaacgac gcgcgcgcaa 480

cgtgaaacac acacagaggg aagaggcacg gggacgtgaa cagaacacgg aaaagcggac 540

gacacgaacg 550

<210> 15145

<211> 780

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15145

acacctcacc gtcactcnca cagacatctg tacnntaata catctcttan gcttgtatta 60

atnntgctgc gttttaccaa nacnccnnnn naaagaggcg gcgcgatttg anncccttgt 120

angncaactn gnacnnancn gncacnacnn aannacnnac ncnacaacac gaaccccnca 180

acgcncnnga ccaccacacc accncacttt attgattttt atctatagtc angcacctna 240

taggaagcag atgcgggaga ctgtgttata gcaagactga cacctggaca acatagtacg 300

tgtaatgtga ctctacacaa gtgactaccc tggtgtatcg tcaagtagac agtacgcgta 360

tgacacantg cagcactata tcagagagac tagcatacgt cgatgcttgt gcattatcta 420

cgtagcatatc atatatgtgc agcagtggaa gacnccactt gtggcaatac tatactcggc 480

gatgcgtgat caatcgatag aatgtcgac atgacgggag acacggacag ngacgtccta 540

tctcgtggat aatacngtg atatgagtag cctatggact gctncttcta tgataccgct 600

ctatgacgta tcgattatca ctagactgag atatgatacc acatcaggca catcgtattc 660

tattacgggt ggactctgac gtacgttctc gtgcgtgagc gcaagtgtag cgtcgatgat 720

gcgtagcctg anataganan ctgcgactat aatcggagtc ggtacatatg tacgacagcg 780

<210> 15146
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15146

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gcgggctgta acaccggctc cgctatccta acttgactgg aggcgggtgc ggtggcttta 120
tcctctatgg ttatctgaag ttntaacatg acctccgaga tggaaaccat ntgatctttt 180
aaggccgata gatcggcctt catccgttcc tgcacgcctt cttcattatc cattattctg 240
gatcgagtgt tataaggggtg ccttggtgtt ttcttatgta tgatgaaatt cctaaagaca 300
taaacaatgg tgagtatgcc acctcaacat gagtatgcaa atggatgatc agagcactcg 360
gatccacccc aagatttttag atacgtaatg agtccaaact tctcatttat aaaa 414

<210> 15147
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15147

ccctgaacct aaatgattat ctctagatac cttgtttaga ttctaggaga gcatatggtt 60
canagcatat ttaccccata tttgnngggag tggaactgat tggcatgcaa agaataaggt 120
aaagcatcaa cacacacaac aaataagttg tatgtttaan aaaaagagca atcaaagaat 180
atatgtgttg ttgtaataag gtcaaaagca aatgatagtg aataactagt gagcaagcta 240
attgtattaa aaagatcact tggataagtc tagaatttgt gctctcttag aatct 295

<210> 15148
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15148

ctttaacaag ctttgaacaa tataacttggc cttcatttaa cttgctctgg gcttggcggc 60
 cagcgtcaac aaaatacttt cgacacctac tgtacgttgc tttgaccaag gctattatgg 120
 gaatgttgcg acaatccttc aaaaccttat tgatacatc tgaaaagttg gttgtcatgt 180
 ggccttatcg acgtccttct ctatcataaa ccatcgcca ttttccctt gaaatgcat 240
 caatccatgt tgctatggct ggacttagtn tacgaaattt ttctaaattt tgatcaaaaa 300
 tgtgcttgca aggagtgtan gctgcataaa attatttatc aataacaatt ttaagtatat 360
 atg 363

<210> 15149
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15149

gcacctccct aatggcatta ctnttaaata taacaacaag gaactatttg caacacttat 60
 gcaaagataa ggactattnt ttacatttca naaggatatg gactaatttg caaaatgggt 120
 acaagacagg gacaaaaatt cctattcact cgataattaa gtcataaaaag tttaaagtat 180
 agggatattt cgtaaagac tatataacta tcttacacat agaattntag ttttaattagt 240
 tgggtgactaa ttaaagtatc taattatatg atgtagaata attachatac agtggagtat 300
 aacaccttaa naaaaattac agctcanact gacaaaggan natttgtgtt gtgtcatcng 360
 tgcattgata catnntaatt cagtagctat atatnttat tcataacant tagcgggtata 420
 tatatatata tatatatata tatatatata 450

<210> 15150
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15150

agctgtcagc ttaccgcttc aaaatttttag atatcaacta actgttcagc ttttagatac 60
 ctttccactt ttcaactagt tnttttagcta gttttatcga atatagtcac aacaaaatta 120
 atctaaatag ggaagagaca aaagaatcaa agaagatatc aataaattta aatgaagaga 180

taaggaaaga agaatagaag tcttaggggg tgtntgtgtt catggaatct tgatgaaata 240
 ttcctaagaa tatgaagatg agaatatata ttctcatatn tgtttcaagg ttttttacia 300
 aataatctcg agtactattg aatattgcga atgttataat ttctttcttt accatgcttt 360
 cttgcatcta tattctcatg agaaaggtgt gggaaaatga tattcccatg a 411

<210> 15151
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15151

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 ctcgtcaccg acgaagcttc cgacgagatg ctccgccgtg tccggcgttg acaacgccga 120
 acccattgac ttgttctgat tgaagaanaa aatgggtntt nttttggcgg agttcaagat 180
 aacggcattg cgcggaatca cgggtgagatg cgaaaagggg ttgaggtggg ttttgaaaat 240
 gaggagagtt ggtgcagcac agacacaaga agaggaggaa gaagcaagat atggcttcaa 300
 aaccaaggct tttgtttcct tcccaaacia actacttggt tgttcaatga ctntntagtt 360
 ntggatacaa tgcagtcaaa tattattatg tcaagcagaa ctggcaactc tcatatatat 420
 atatgtatat atatatatat a 441

<210> 15152
 <211> 480
 <212> DNA
 <213> Glycine max

<400> 15152

gcacacgctg catgccaaact tttagattat tgtgtacccg acacatgtga cactatgcgg 60
 cgagactgcg acggtgctaa tctaacttac acggccacac aacaagaaga aataccgcat 120
 cgctcagttg ccaccttaca acgtcgtcac ctacgtccac aatcccccta ttcttattca 180
 tgctaaacac cgggtactca ctcaacacgc tcatgctcc cacaacacgc aatcgatcga 240
 gcattcgtac ctctacact atccacacgc ggaaatacag ggtaatgcat aatactacgc 300
 gcataactca tacccttacc gcagccttcc ttactcatat agcccagata cagtctgcct 360
 cgggtccaata taatacaccg taggatcgac cccaagaatt taactcgcaa ggtgcatagc 420

acctattact taccttctga ccgacgagag caggactaga actgtcacia gcccaagacg 480

<210> 15153
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15153

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 ctgcgccggt gaacctgatc cgtgaaagcg acaaacagcc aacagggaaa ccgagctgac 120
 agaccaaccc acttgcttat ctaatcccc agaggaaacc gggcaatcaa taaaaactc 180
 aaactgaccc ttgagctcag agcaagacia cggactatgt gaacagataa aacccccggc 240
 gcaaccacac aaaaaaatga caccacagca caagacacca gcggagacac ccacaaaaag 300
 gcacccccca caaacaccg cccctccaaa gtccggcacc aacaaaggcc cacaggagcc 360
 gacgcgtgac caaaacacag cccgagtcac cgacctcaaa agagaggagg aagacacaaa 420
 tcgaggacac aaagagcact caaacccg 447

<210> 15154
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 15154

tgatatcatc gaaatcttca tgatcccgac tcgttggtgg aggatgcatg aatgactatc 60
 tattaatggg gctgcgaatt ataatggacg atgtaggatt ggccaatagc gatacgctat 120
 aaatatg 127

<210> 15155
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15155

cgcatgtttt nggancatga actatgatga ctaccactg tattatcttg ctcgactacc 60
 cccgtgcacc ggagaggatt aaccnanntt gaggcactcc acttagaaac atccggcaga 120

gaggggaagag aacccactgg cctgctcac ctaagatcgt cccgatgact atcaaccgac 180
 atatccgcat acccggtca ccacaccgta aaaatctgtt ctttgcgga atagggaga 240
 ttgggcgctg aaagaggtaa gacagtcag gcttggcata cccatttcgg attggggatt 300
 atgttcgtgc cacatcgtca tctccaagt canagaccga acttgatatg tacaagggaa 360
 acatgtcgaa ggggcatttn gatgattgcg aagatggggc gtatctggga caaaattgtg 420
 tcattcttca gacagttgcc g 441

<210> 15156
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15156

agcttgcata atgaattaaa tgtcaatatg tcaaagcaat tgaagaagca tatgtaccgc 60
 ataaagagca aaggaaagtc tcatggcatt gtagagtgc caagctgatg ccctatgatc 120
 aaaacacaag gcagtgacca tgcattgaaa gctttccaag aaacacatta agtcngtgct 180
 caagtaaaga atnggaaact tcttgcttat gtctgttnga aacgagaaaa caagtatatg 240
 ataatatagt gattctataa gttcttatat aaagagaaca agtggntaag ataacttata 300
 acgatgcttt acttgaatat gaaccatcct acctaaataa ggggtgctacc aattaaggac 360
 acataaaggc cctgggatgc ctgttgctnt ccaacagaag ctagtctttc cattttctct 420
 gtatatctcc agagaatact ttatattt 447

<210> 15157
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15157

aatctattca tgtttccttn gatgagtcta atgctattcc tccaagaaag gatattntag 60
 atgatattgc aaaatcttta gaacaaatgc atatntatgg acaagattct aaagganaag 120
 ggaaaggaag caatgaagat cctctagaag aagccaaatc anatgatgaa cttccaagag 180
 aatggaaagc ttcaagagat catccnnctt gacacattat tggatgatc tcanaagggg 240

taacaactag acattctctt aaagatttat gcaataatat ggcttttgtg tctatgattg 300
aacctaanaa tntaaatgac gccataatag atgatcat 338

<210> 15158
<211> 257
<212> DNA
<213> Glycine max

<400> 15158

agcttctcta ccaccctcat tttcttcccc ttgggaaca tcaaatagtc aaagttcgtg 60
ggaatcaata cagataaaat aatgaagtgg acaaagatca attataagtc ataaccaacc 120
aaaatcataa ataagtcata acccaaatat aattcaaaca gtcataattc caaaccacat 180
agaaatctaa cataaaagac tcaagtccaa gtactaaaag ataaattaag tgcagaaaat 240
gataacttaa ctaccat 257

<210> 15159
<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15159

ttgcacatga tccaatcggtt angcgcttat gatactcagc ttcaanaagt caaactacaa 60
accatttggtt aatgaaataa ccaatatact gcaacaattt atcaaccccc aacaaacggg 120
tcttcataat tctctattag accagtatgc attcctataa cacaagcctc aatttgcaaa 180
cacaagtaga tagaagctca cattccttgc aacattgaca gttcatacca agactcagaa 240
nnaccacaag ccaccaanta attcaatata aactaaaca ataattaaga aacgagcatc 300
caccatcttg agttgagaaa caccctattc aaccaaagac ggcaaacact tacaatgct 360
tctacctgat attganatcg atacgtanat agtcaccatc agaactcttg taacaattac 420
agatgtcgng gtgcctacag acaatactac ttagttcctg aaacaagggt gcaagataac 480
attaaatgaa acttaacaac cagatcanac ttcaaatttt gacaaaccta atagaagata 540

<210> 15160
<211> 429
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15160

tgctcccaat attnttttnt ggatccacaa ctgctcctcc ctaaataatat aaaataaaaa 60
ttgacttana tataattnta gtctttttaa tttggataat tattctttta gtgtttttat 120
tttcagaaaa gcatttttaa aaaatgaaat taaaaaatta ttttttttgg ttaaaattat 180
catatttaac tttntgaaat caccataaac acaataaaca aagaggaaat taaaataatt 240
ttttgaanat ntaaaagact aataaaaaata aatntatntt taaaaaacta aaaaaataat 300
tacttanatt tagaagacta anaacatatt taattaccta aatntacaca gcagtcgtcg 360
ttgtgtaa at taccataacg cattngcagt aaatgaaata tgatgatata atatgtagcg 420
tanattact 429

<210> 15161

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15161

ttattgtagt tgctntagaa ctgctcttt taggcttcaa ttntcttaga ttaataatat 60
ataaacattc ttatatacta tttgtttggt cttattata aggtccaatt aactaattat 120
caaaattaag aaaattggtg aatttagttg agggcattaa agacattntt gtgaaaaaaaa 180
taatacaaag gacattntan gttgaacctt ataataagga tcaagtgaca cttgtaatgt 240
ggatattata ataagcatta gatggagtac catattaaca ccataantt ttctttcact 300
ctttttctat catgtaatat caattaacca tacttgatnt ctttctcttc tctctttatg 360
tgtcaattag tggatcaatga atgtntntnt catttcttaa ctcanattga aaatagaaat 420
atattttttt aacaactaa 439

<210> 15162

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15162

aagaagaatg gtctcagcaa actccttatt tctagaaaga aattatatca atagaccttc 60
aatctttaat ggagaggggtt atcactactg gaaaaccga atgccaattc ttattgaggc 120
aatagacttg agtatttggg aagccataga aataggtgca tatataccca ccacagtaga 180
aagaattacc atagatgggtt gcacatcaag tgaaagcata accatagaga aacctagaga 240
tagatgggtc gaagacgata gaatatgagt accatacaat ctaccagccc aaaacataat 300
aacatcttgc ctgagaatgg atgaatattt canggtttca aatngtaaga gtgctaaagg 360
aatgtggaca ctctacanta acacatgatg gactacaaat gtatagatct ggataacaca 420
ctacccatga g 431

<210> 15163
<211> 557
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15163

gggaccatgn nnccttttct ttcaggggtc gacctgaata cgtgtcccn anctgaagtg 60
acttgtacag accccgccac ncnncganca nannngann ngannaggat gtgagangag 120
nagctacggn nngagaaggg nggggctnag gggannnga aanggnngaa ngnnnngann 180
nnnggnnntn nggggnantg gnaannactg gtggccatac ccagntatac ctactatcaa 240
taacactcat atttgaaccc tggntnggag agaaagaaaa agctanatgg actaatatga 300
cccattctag tttcaaatcc gctcctacta ccatanaang gtcattcana gactgagcca 360
gctatctgat tacaggatag acttggggag atacctggtg tcacgacacc tgngaaggag 420
gatcttangt ctggccagaa tgatcaacat gtgagnnatg acactcaaca aagtggtcag 480
acagatgttg tgcattggtg tcattangat ctngcttct gctgcatgtn gctttntacg 540
acgataccta accacgn 557

<210> 15164
<211> 563
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15164

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 agtacgcgat ataggctttt attttatcgt ggatgtacat cnatatgttt actacgagag 120
 gcgtcggact gggattatag cgctcatcgt atacacgctc actgtatatac catagcatta 180
 tacacataaa accgtcaagc tgatcgaaca acggtgtgac acataagaca gatcgtattg 240
 tgctactatg tgctatcaca tcgtatgaac agtatcgcgt caacgataca atatgtagtc 300
 tcagacgctc ttcactgtga gatgtgcgta cgatcaggca caagtacact gtctttccat 360
 tgcacatc ggaacgagaa taaccatatt acgtttcact gtcttcgact cacaactaat 420
 cgtatatatg ttgtgagccg atgtctcgtg atctctatga tcgtgattct catcacgcta 480
 acgaacatga ttaatcacca acatctacgc aacaaacatc ctctataccc acgtcctatc 540
 gaaatgagat cgcctacctg ccg 563

<210> 15165
 <211> 167
 <212> DNA
 <213> Glycine max

<400> 15165
 aatggagaga ataagaagga gggagaaacc catgctatga ctgtcgttcc tacatggcca 60
 aatttccac tagctcaaca atatcaatac ttggccaata tcagtccttc tcattacca 120
 ccaccctatc agccaagaac acccaatcat ccataaaggc caccct 167

<210> 15166
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15166

tttgaagatt tggctctctg cagtgaaaag atccgtgtgg gtcttgaaaa aggcaaattt 60
 agtcatcctg cttggaccaa tgagaaaact ggggccaata aagaggggtga ggatgaggga 120
 gaaacccatg ctgtgacttg ccattctgtg cggtccagtt tcccaccaac ccaaccatgg 180
 ccttactcaa cctttcttct taaccacccg ccaattatcc ataaaggcca tcccttaatc 240
 aaccacaaaa gttgtctacc gcactttcaa tgacgaacac cacctttagc acaaacaaaa 300

aaacacccac ccagaaatga tatttgtagt gagaaagcct gtagaattca ccccaattcc 360
 agtgtcctat gctcgacttg ctccatatct acttgatatt caatggtagc cataccctag 420
 ccanggtcat caacctcatt tcttcgagat acgacn 456

<210> 15167
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15167

cgcnaactatt tggggccccc gnnnnnaact tgatgaccgn atttgtatgt anccgnnncn 60
 cnggattagt aatgcanntc tnancncgcg ggacnanggn ggcgaaacgg gcgaaaggac 120
 atatcatcta ttcccatttc acaagtcagg cataagcaca ccatccccag tngccaacct 180
 ttaaattgag ctcacgtact cctgcgtagc tcttattcct cgtcctctca gcactgggtc 240
 cccatcaacc cctccaagct ttcacaaaat ccaaacaatt caattccatt tgtcatgaaa 300
 ctaccttaca caatgaanaa cagagtagag gcagaacctt tgcacaagaa atcattcaaa 360
 tccacagaag ttttctaacc tcatacctnc ananatectc ttcgtttagat tcgtaaccat 420
 ggatcgccnn tgaactttac tggaggttnc tatacagaaa tctannattt gacccngtg 480
 atctgctaga gaatgcctag acacgagatg actaccttcc cnggactagc actgacaacc 540
 attntctgct aatggcanna ttcg 564

<210> 15168
 <211> 334
 <212> DNA
 <213> Glycine max
 <400> 15168

agcttcaaca tcagactcac ttcaggtgct ggaattactt cacatggact tgatggggcc 60
 tatgcaagtt gaaagcctta gaggaagag gtatgcctat gtttgtgtgg atgattactc 120
 cagatttacc tgggtcaact ttatcagaga aaaatcagac acctttgaag tattcaagga 180
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240
 tggcagagag tttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatta caccacaaca gaat 334

<210> 15169
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15169

ccagagatgg agtccacgga ggaaatgctt accacctcan aagactggat agcggtttct 60
 aatgactcct ctgcggcttc cacataaggc atagaggatg ggcagctcac caagatgtct 120
 tcttcgcctg atacgatgac cagatgcctt tccactacga atntcaactn ttggtggagt 180
 gtagagggaa caacccccac tgagtggatc cacgggcgcc ccaacagaca gctgtanggn 240
 gggttaatat ccattatntg gaagggtgact tgacagggtg gaagggtat ctgtactgng 300
 agatcgatct cttccctaac ctctcggcgg gtgccgtcga aggcacgaac caccattgaa 360
 ctcggttcta agtgggaagc atttgatgga atttctcana gtgctcttan gcatcacgtt 420
 aactggaacc atatcgatga cactttgcta nacatggtca taccttactg accttgcaag 480
 cttatatgcc tctccg 496

<210> 15170
 <211> 211
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15170

acctctgctg ncggtcgggc cgtcgtcata ttattatggt tacacatata ttcgtatttc 60
 tgctactcat actgcctatt attcttattc acgcgcgcaa ccacgtgtat aaggcaccta 120
 tttctggcta atacattacc accgcgtcct gcgcttatat gcatagtgtt tgatttatcc 180
 tgcttcctgc tacttcaatc ctaaatacacc c 211

<210> 15171
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15171

[illegible]

atgaatattt tctacgaatg acaaatgggt cacctaagtt gaagcgacct actgactggt 60
gagcccaatt gagatttgtt ggatataatc nacctcagga t 101

agctntataa	tggactttct	cttcattgct	actagcatca	gcaatagtaa	cagactttctg	60
tgtcaatata	acaagatcaa	gatccataac	actgaggtgt	aattggactt	actcattcca	120
gtcagagaag	ttaagcccat	taaaattggc	acaaatgata	cataagaatt	cagtgaattg	180
tgaacatgtg	ttgcataata	acattcacat	aagtgttttg	agacatacaa	tacatgtcat	240
acatatgatt	tattcacata	atgatcaatg	tatattgatg	ctctcctttg	ggtgatacag	300
ttgtagaagc	acgcttcatg	atgaatcaag	attgattcan	agaagttttg	acgataacaa	360
agggtgacgac	aaaaagcttc	gtgatgatct	caagaatc			398

<213> Glycine max

<223> unsure at all n locations

<400> 15174

gtgttggtcg ggctgcttct gtcaagtctg ccaaggtgga catgctattg gttatgcatg 60
tgagggtctaa catgtcatgt gaggggaagcc tgtatattag gcaactctgt ctttttctaa 120
cagttggaga atgcattgaa gacaaacttt atgttttgtc tgataatgca gctgcgtgta 180
gtgcacacgt agtactattg cacacgtgtc actcgtggag tgggcacgta ctanatacgt 240
gttgcggtggg atatgaagtt gatttgcggt ctctctctg cagtgaccac cgccacttcg 300
aaattctatc ttctttctct cgacagat 328

<210> 15175

<211> 522

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15175

ccaacaccca accacttcac atctcagaag cggcgctgtt ctgactaatc gtataaccgc 60
acacaccacc aacgagcggc gtgaaccctg aanacctgcg atatcggcaa acagcgagac 120
ccgagatcac tgaggcaccg cagcatgcaa ctgttaaaac ttggaaaaaa acacaagcgg 180
tcgccggcgc cgggggttgag accaccacga agagaagaca gaaccgtgat gcataacgca 240
acaggcggca caacggcagt aacaagaagg catatcgaca agccgagggc tcagcgctaa 300
cttccaagaa acacctgagt gcactagaag gacgtgagct gaacaccacc aattatacac 360
ggcgtgacac gaatgacaca tcgaaacgcc actccgacag cggggcccaa aggaagaacc 420
ggcgaaccgc tgaagagagc tagacttagt ccagcgcaact acatccggca cagaacgcaa 480
agaccagaaa tgaggaagag atggtccaca tcgacacaca an 522

<210> 15176

<211> 579

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15176

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acgaancnnn nccaacctca gacgcgttga accttganaa ctgctcaaca cggaactac 120
 acaaactcat gctttgagac agcccacagc aacaaaaagt ctttccctct catctaatac 180
 actattgcaa gcatatcaat agtgaagccc caaggggaat atgaagtga gcttatagta 240
 ttctatgacc aattaagggt agagatccat gcactgtacg gctccagggc atatctatag 300
 taaggatctc tgctctgaat atttatgtcg tcgtgatcct aagtcaatac tctttctaac 360
 atcttcaccg tataaagacc tgaccagttg acttttataa catatcatca cagtacaaaa 420
 ctcatatcaa gactcaatga tgctagaagt caacatacat tgccttacta gtatacaaaa 480
 tgaacctatc caactttcta attatatcat aaacctagta tcccaaacct cctcatattc 540
 ccatactttc taataagcat tgcaatgaat ggcataacn 579

<210> 15177
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15177

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 ttgttgatgg aaaactgcta aggatgaatg gtagagttaa cctaagggtta gaaagtgaga 120
 atgtagtggt atgaatggaa naagaatgag gctttgataa ttggaacgcc aaatctggat 180
 ttagtggtat ttggagggtta aaggagggtta atcctagttt gaaatgtcat ttaagactta 240
 tgag 244

<210> 15178
 <211> 113
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15178

ttccattatt ttattcaagc tctgccacat gtccctattc gattggagca aaagggccca 60
 ctttctctnt ttgactgtga cccatactca gtcacaaaag tgagaaaaat ctg 113

<210> 15179
 <211> 577

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15179

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 aactcatcc caacaggact ggttgaacct tgatccccct gaacggcgaa tcaactcgccc 120
 cgggatccct agatcgaaact gcagcatgca agcttggtat agaactgacg aaaaatcaag 180
 aacaagcgtg tgcgcacatc gctcgagtat atgatataca ctccacaatg tttgaagtag 240
 aggagagctt caaccctata acgcaacgtg gcggacacaa gtgggcagta aacttgaatg 300
 gtcgacattg tcaatgcaga aagtattctg cgctgtacta tccatgttca cacatgattg 360
 cagctagtgg ttacgtgagc aagaactaca accaatatat agcaagtgtt tatacaaagc 420
 aacgcattct aacagctcac tccgcacaat gcgggcctct gtgaatgaac ggctattctc 480
 ttctgagacg ctggacctta tctgcccac tacattcgag cgaagtcggc aaatcacaag 540
 gtaagaatga atggatgggt cacctctggc ccgaccn 577

<210> 15180
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15180

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 aacgggtggtt atgtgtggaa acaagtttct aacctggtgt tcaaatttta cgaatatcca 120
 acggttaacg agtccaacat catagtttta atgggacaag ttctggtgta tgtgggaaaa 180
 atagagcact gtgcgaggga cattgctctc agcacatata ttattntgaa aatcccaatg 240
 gtggggatgt gagaaaatga gttctgaact ctgtgttcaa atttca 286

<210> 15181
 <211> 632
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15181

[illegible]

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tgtcttggat	gtntacaatt	attgtcttgg	ttgtgttggc	tctnttaact	ntgattggat	120
gattagactt	gttggttatt	tatggttgaa	tcattatgga	taattgtgct	atgatttatt	180
gtgcttagtc	ctttctcata	cgtttttggt	ttttatgttg	caaaggggga	gcaacttaag	240
ggagaattat	catgaactan	gcatanattc	catcttaaag	ggagtagggg	tgtgacacac	300
atntatcacg	gatatcatta	tcttgtttca	gatattgcat	catcaaaagg	ggatattgag	360
aacatatatg	attngtttc	atgatgccag	atgacgcaat	caagtangaa	tcagaatgca	420
aaagaacatg	tcttngtana	tctagaagag				450

$\frac{d^2}{dt^2}$

<210>	15184
<211>	285
<212>	DNA
<213>	Glycine max

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tcattttcata	caaaacaaac	cattgaatat	catattcagt	cagtttactg	ttcaaacatg	120
cttttgtaca	agctacaaac	actcaaacaa	tagaaattta	naagactaga	atntanaaga	180
ctaataaagc	ataaactaaa	taattgataa	aataaaaactt	ttcataattt	gcagaaattn	240
taaaaaaaaa	attgtgcgga	atttaaaaact	cctgggtcatc	ctact		285

<210>	15185
<211>	433
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      15185
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cctttgaggg	tggaggatca	tacacttcaa	caaccattgc	aatangagca	atntcagctt	120
caacatgaaa	atccaattct	tcaatgatag	gttgtacatg	atgagttaaa	gtgaatctgg	180
agtatggcaa	gaacaccata	taggagaatg	tgtgttcaaa	tacagtagag	aactcccttg	240
tncatatgca	aaccatgttg	anaggatttt	cttanatgaa	gcattgatgg	tcaaagtctt	300

aataacaatg ccccatctca caatgaactg aatttgcaag aggcttctca tcaagttcca 360
aactagagca atgacccctt agtctgtaga acctattcat ggcataccaa tccagacttg 420
taagctaaat ctt 433

<210> 15186
<211> 259
<212> DNA
<213> Glycine max

<400> 15186

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caagtttaaa tgtgatgcc aagaccacct tggagaaact tccttttaaat gcgtcacgtc 120
taaaaccaag ttcgatggta gtacgagcct ttgacggtag tcggcgggag gtgatggggg 180
aatcgacat cctcattcag ataggccccc acacttgcaa tgtgggttttc aagtgatgga 240
cataaatccc gcctacagc 259

<210> 15187
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15187

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tgcacagacc aaagttgcgt atgtaaaaaa attgtatgac caagtgaagg tgcaaattgc 120
aaagaagaat gaaagctatg ccaagcaagc ccaaaagaaa aggaaggaag tggacttga 180
acccggtgat gatcttggac atttgaggac aaatgtnttc caagatggag ggaatgatga 240
gaatcatgan acaggccaaa tacagtct 268

<210> 15188
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15188

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tcctcttctc ctttgccttc cgctgcatct ccatgatgaa naatcacat tgaaggacct 120
cattgaagat caaagatcca gcctccatag aagctccaca agcaagcttc catcaagtta 180
tgaccatttg aatttctcga gatcttccgt ggttcaattt cnggcgtctc catatgtcat 240
gtgcctgaat cggacctccg taagaaaatn tatgaccatt tgaacttctc tagagcttcc 300
gttggttaat ttcgagcttc tcgatatctg atgtgcctga atcggacatc cgagtgaann 360
agtggacaat ttaatttctc agagcttcgt tgtcaattt 399

<210> 15189
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15189

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cctgcgggat gcttacacgt gaggtgatat gtttcacgac tgatccagtg ctttctctag 120
agttgtacag ctcaggctct acgatacagg cattcactca ctttgtaggg atggagagac 180
acatacgtct ccatgcagct cctgtcctcc cgtgacctat tgtagctaca tacactgaaa 240
cacacatctt ggatgatgtg gagtcatagc cgatatattg atgccggtat gcaagacca 300
cccctgctac tgtgcttcat accgctagac ccccttgctt aggaaacctg tgatatgtct 360
cttatatgca cagtgtgcca aggtcctac agagacctta acgtgactcg gatcaggagc 420
ctgatcaatg tcacataaga cgccctaac ccataactta tctagaacca aacaagtagc 480
ctgtatcatc gtaccg 496

<210> 15190
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15190

cacaccgctc ttcactctct acatcttgcg gtctcgtgtc aaatctaana ctacnnnca 60
nnnccannaa gcgagcccgt tgaaccatga taatcacacc attanaccaa cctccgacgc 120
gacgacaaga atcacatgtt tgccatcatc tccaagagtg tttttgacaa tgcactcttc 180

atgacgtagt gatgcaaaga agaacaacta gctcatagcg tcacatagtc agattgttca 240
 caacacacct gagtagaatc tcaaaacacc cagctacatg aaggagcat cttcatgaca 300
 tgcagcgaca catagggtga aaggatatca aacactcatc gagacattcc aagacctgag 360
 acgaacacaa gttaagacgg ccccgagtaat aaaactgtga tgtaccggtt ccgcaggaac 420
 aacaaaatct agatatccgc gtccttatag tattggatgc acatagcaga ctgactggcc 480
 aatcaagaac gatcgtgcga cg 502

<210> 15191
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15191

ncgagacggc gagtctcatt catattaatc tggcngacg anttgaaaca acnananntn 60
 agtaaaaaca accagatcnc ncnnnnnnaa gaagaggang ccgtgagccc cttgaactac 120
 cgtcgaanca cacncggaac ccggagatcc gctagagacg acctgcaagc atgcangcct 180
 caccttctgg ttctctctta ttatgacgca tgagaaaaca cgctctatct tgcactccca 240
 ctccaacaat gcctccgaac attcttacct taaaaggagg aacgttgagt taatgcccc 300
 aaatcggcta agtctaagaa caccaacata tctcatttg ctacttacct cctcattatg 360
 acctctatca ccattcgacc aacctccatg gaagcacatc cgtagatcat aacctcaca 420
 agtcgataaa gctgcttcga atgcaacca ctcatctaga tgatcccgca cccaacaaca 480
 gccaacgaat acacacctgg tgaggataat ctcacccgc aatgaacca atatggtatg 540
 ttatgaaact cagcatatcc gtaaaccatc 570

<210> 15192
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15192

ccccctctt tcatactata ctatagcaat tacnccnntt cncagagcgt tggctgaacc 60
 tagaaacact actgatgacc gaattgcaat tcaaggctac ttttcaatac atcagccata 120

agttaacctt aatgcacagt cctcagaatc atggaaatta caactgttag tcatggctaa 180
 agataaaaact acatgtaacg aacctcataa tattgactga ttggatgggt gtcacggcc 240
 tatatatgaa ggcaaatgac accaacctaa gattatatgc atacttgtac aggactcatt 300
 aatctaattc aacctgaaga acaagaccta taaatacaag tataccgacc agtgtccacg 360
 tgtttgatga tgctgatgca agagtcttat atcaatgcca ctacacc 407

<210> 15193
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15193

accgaaccac cacctaccga caacagaacc aaaagaanat accnncaagg gaggtgagcc 60
 tgaacctaaa ncccgaccga agcctaagaa ccgcagcggc agccgcaaac ttttgaatta 120
 ttacgactac caganacgac ggccgaggcg aaaagacccg ccgggacaaa acccacagag 180
 aaacaccaca acgctagact agaaccgggg ccacagcgat agaaggatga gaaccctaca 240
 gaaggaggcg aaccgtaccc aagtgcacca caaggaaaag aacagcccac aagcaaagac 300
 gaccacccgg atgcgcggac cgaccaaaga cacatggaag aagcgtgcac accaagaaaa 360
 tgcaatacta acggggcacc gaacagcgcg acgacgtgca accaaagaaa cataggcaca 420
 aaccggagag aaaaaggaga cagaagtcag acaaaagcca agcaacgcaa cccggccgcc 480
 aagtacacac c 491

<210> 15194
 <211> 662
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15194

gactacgctc ancnttcnc tctatctctg tatcaannag gtgtaccgtt acgaaatnng 60
 nctcctnnnc ancnnnnnnn ancccgacga gcggaattga tccctttgac accgtgcgct 120
 atccatacat caagcagntc tacgatanga tagcatctat aactatcagc aaactggtac 180
 tcgttttttt ctatcttatt tatantcaca cttcgtcgaa cgtctgatgt gtgcgctctt 240

gactgatcat actcaacgca gctcatccta cccataactca ctacaggtaa tcacgtgact 300
cgctagtcta agatataaca gactatgata cttcctattc actataacaac gaacaatcgt 360
gggactctct atctcacàat acacatcatt cgccgctagt ttatagaata ttcataatta 420
tgatcctgat cggatagaag atccacagtt ctccggtcat atataatctc tcctaagtac 480
gatcgtctga atatgacact gttgagatag atgnactcat cttctgatcg actcttacct 540
gactatgacc tctagagatc ttctaagacc gcgattataa gcactcgcgt ccgtatacta 600
gtggctgat atcgtttcgt cgactttctg acagcactga tcgttgttct ctacaaagag 660
cg 662

<210> 15195
<211> 172
<212> DNA
<213> Glycine max

<400> 15195
agctgctgct gctggacatg tttaagactt gtcagtgcta tacataacat catagagtat 60
tatgatattc cattccatga accttctata agatcagaga tatctttgta taccttatgt 120
caccggtgac tattgctgat gcatgcgcct tgcttgaact ctttaatctt gc 172

<210> 15196
<211> 257
<212> DNA
<213> Glycine max

<400> 15196
tagctaggat attgatagca tgtactgtaa tccatttata ctttggaact taagtgtctt 60
ggtgatgaat atcataccac aatcgctata atattccaac acatagatct cttattgaaa 120
gaatatggat acaattttta aaacgtgaac aataagattt ggaaatatat attaccatat 180
tgacttgatt aattcgttac cggcaaatat aaaactgtac tattgcaatt ataattgtca 240
cagcgtaaga cttgaat 257

<210> 15197
<211> 143
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15197

cgcttgtata atgttctgac atgacacata ncacggtttg gattggtgca atggtaaaac 60
ggatgctcta cattattttc atgtaacaaa tgcgaatatg atgatcttga aactctatgc 120
aaaatctggc atgcatgcac cta 143

<210> 15198
<211> 526
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15198

ctccgccttc ccctacatct ccaaactacg tagatcgcat aactgactca cnncacccaa 60
gtgggggggtg tacatgaaac tcaantncac aaanacacaa caggacacaa caaccctctt 120
gcatccgacc agcttttttcg ctctgatgtt ccaactgcac tgagtgtcta caataatata 180
ctatgtctct tgcatacagat catccaaatt gtcctggaat cggctggagc caaactcgtc 240
gaagaagcta cgcccaatga tatgcatgaa tctgctatgt ctctctctcc cagtcattgc 300
taacgagact aggatctact gcatatatac agtttttgca gcttaaatagc attcctagaa 360
tgataatgca tacgacggcc agtagctcat ataaccacgc tggtaacaac agagattcct 420
gtgtgtctaa tataaccaga ggatgtcgcc cagcatctg cagctatatt cgggacactg 480
catgactaaa taagatgtgg aaccatatca tgaggtcgtg caaacc 526

<210> 15199
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15199

ccactcatgc actcaccacc ctatgtacaa gcttcgcat cgacgatggc ctatantaca 60
gagacagtga acctgaacct tgaaccgcca acacggggccc ggaacttgaa agccgagcat 120
gcaactttta atattcccct gaaaagagcg ggaaggcgcg gaatcagaaa ccacggccac 180
tcctaaaca gtatatatgc taggagaaat ggacggtcta gagaccgccc gtagagggag 240
aacgatactc acccgcaaaa ggagaaccaa cctagagaat cgcattctcat gcaagctctg 300

attagacaca caacaccagc acagatggca aaaacgggca aatcaacgga aagggaaagg 360
aaagactaca gcataggatg gacgaaacaa agatagatca cgcgatcaag tgacgacaca 420
atgcatcatc ggacacggca gcttacctta ccaagaagtc aggggccact gaaataccaa 480
cacatgaagc 490

<210> 15200
<211> 701
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15200

tcactccgcc tctccctnct atantccaac aaatgagata cgttctnagt ttcggattcg 60.
anngnnnaaa annnncccc ncacccgctg agcgattgna cgcattgata cccgatcgaa 120
acatccgaca atantata ctncagcnt actngtacag ntttatgatn tgggacacga 180
gctatatcta cctactgct acngngcttt tactgattgt catgcaccga taattntgct 240
gaatcccagag atctagatgt caccataggc tatagaaaag tgaagctcat acacattata 300
gcatcgaatg cacgtctcgt gtgtacgaac gagtngtatc gaatcagaat cataacattg 360
taggacgtat acacttcaca tatecgcgat tgcatgccac tatgagagac aagcgtcaga 420
ccgactataa tagtcagaca ttagcgatca tatgatcttt aagcacacac aacatatatc 480
agcgccagag acatcaatga gctatgtgta gactatgtta tagacacttc tataacattc 540
aaactagaca attacgaata ctacgacagt cgagaatggg aagacaatat gatatgacac 600
aatactccac gccgaacaag atcgacgtaa gatcatcatc gcataaatat cgacatactc 660
ccgacgtcgc atacgataga aactacctca actcccgatc c 701

<210> 15201
<211> 306
<212> DNA
<213> Glycine max

<400> 15201

agctttgtat gtgtgttata caccatcttt ccatagaaag gttgcggtta ggggcgacac 60
taaagcccct ccaagtgct ctgcatgggt ataccaccaa ctgcttgctt cttatcgcca 120

tatccgagga aaggctcgaa gtcagctaga ttgtggtagg gaatatcatg tgtctcccc 180
 gtgggttgag agacatgtac atgatgaagt tgteggctct taatgagtat gggagcaaag 240
 tcaatgacat acctatttgg agtgtacgcc atatctggtg gtgtatggtt gggaggcaag 300
 ccatat 306

<210> 15202
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15202

ccacgcatcc cncnattct ttanttaagt aatcggtgtc ataaaacaca cntcnncn 60
 caagagtgcg atttgaacat gaaacnctga aangcacact aanaactcag cgtagaacct 120
 tacatacctc cnaaaatagc ctcagttcta agtttctctt tcatgatgta tagctctggc 180
 tcacatgaag ctattacaga aaggataatt attgcaatta cgttagatga acctgcgtgg 240
 cgacctgata aaatctcatt aaggntaatt ataggggtctc tattgcatat aattccgact 300
 gtacaagaca acctccaatg gctaatagtt tacaggtcca tagaagccct catatgaact 360
 acttgatata tcggctttaa tgttatatac ctagaaacta gataatttta actctcatgt 420
 tcctgtact cattgaatgc atagacctat atgtgacaca tatctatctt attaccgata 480
 aattgtgatg atatatgctt ctatgtgacg cacctatagt cttagtgatg cttaactaat 540
 atactatatt gtctacccg 559

<210> 15203
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15203

agcttgata atggctatac atgatacatg tcaaggggtg gtttggttca aagataaaaa 60
 ggatgcccc cactatttcc atgacacaaa tgcaaaaatg atgatttgga aactnntatg 120
 caaaactggt catgcatgca cctatgtgga cactcaagt tcaaactttt atggatcatg 180
 gatgctaagg ctcaagattc atttactcca ttttaaatca acccaatgtt tccaaaatat 240

gtgcttttat caatttgggc attcctccaa gtacatctcg agcatgcggg aagattncac 300
 agcattcacc cttcaggtgt agacacgtat gtttcacaaa ctagctatga tcagcgaata 360
 tttctattaa agaagaattg ggaatcatct c 391

<210> 15204
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15204

ccttctcgct aagccaatct tgtggcttat cgagcgctcg ctaagcgcaa cactcctgng 60
 ctaagtgcga ggaagaatcc aaaagaagat gagatgaaca ggttcgctaa gcacactgct 120
 tcatctcact aagtgcacca cttcagttca tcctctaagc gaganagctg cgataagcca 180
 gaaatcacta atgtgcgcta agcgggttcat acgtgcgcta agcgcacgag cacgaacaag 240
 gccacctatt taagcctg 258

<210> 15205
 <211> 520
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15205

atgagtacaa ncttganncc cgtttggatn ccancagttg anttacagtt ngaatactac 60
 cggcgaancc gaggatcgtc tacagtcttc ctgcgagcat gcacgctggt atgcaacttc 120
 ttattgaatg tttgtgcttc ancggatgaa ccatgcagcc tatggcttca tgaacactaa 180
 ttactgagac atttctgggt gccgaggtga gaggtggagg tgcacattac ttgaggaagc 240
 ccttcttgct tgccgaattc tttgcgttac aagacaacac tacaacatag gtgtttgaag 300
 acacccatca tacatgcgca tttctatggg aatcgctgaa ggtccttgca cattgttgag 360
 cttctacaga tcgaacatct gttctacaac tcacacttaa ctcttgctgt cttttatatg 420
 ttgaaatcat gtatactgag agcatgtcag gatggaacac aatgctcttg gaaacaaatt 480
 caacgtaaag ggcaagagaa gtgtttaacc tgtctgaatc 520

<210> 15206

<211> 505
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15206

gcgacatttg acccttgaac atgagtacat cgaacatcna nactcatctt ctcattgatc 60
 cagctatgat gaacatacag cctatcttat tcatatctcn ctctttttac actggcacca 120
 gacacttgat cataggcctc tctaaacaat gcctaacacg atacaaagga actattcacc 180
 actaaatacg ctgagtctca catggtggta tgcaaatcat gttacactcc actcgttcat 240
 actgagaaat ttaccatcca tagaatgcgc tgataaccct gatcatatga cttataggag 300
 cttgattgga tatttaacga tctctataca cgaggaccaa catctatttg ctacaagact 360
 aacttgaatg ttgttgccct caacacgcat cgtcttccaa cactacgtgg tcagggacac 420
 catcttcaac acagattatt tccatacgat cactagggat actgaccatt tttgtagctt 480
 aatacccgca tactttaaaa acact 505

<210> 15207
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 15207

tatgttggtta cctttgaaga aggtcttccc atcccacgga tggtttaciaa gttctacttt 60
 ctgacctctg cgaagcattt cttccgttaa gtagagcttg gatccattgg gtaggttcta 120
 tcaagaatta tcttgatatt aagttccctt ctgatatgca aagttggagg ataagtattg 180
 cgtttgtatg aacatctata gaaagaagcc tgcttagctc agtcaactca tcaagtagat 240
 aacttttgtg ctgtaagggt aaccaaaaaa aatctttgta tgggccgcca tagaaaaatg 300
 ttcttttgcc aatagacctt tgaaagattg acttccgtta gatagatcca tgctacttct 360
 ttaagacgaa atgctcaaac tattaacgtc atggcatacg tgtgctatat cattccattg 420
 gatatgcagt t 431

<210> 15208
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15208

ctatggaagt nggatctttg agcttaataa tggctcttca atggtgattt aagccatgga 60
gttgtagcga aagataaagg agaagaggtg agaggaggcg ccatccacta gagaataagc 120
catggaagga gaagcttcac caccaagaga gtgccttgga taagaagctt agagagggaa 180
gcttcatgga ggaagataat gagagagagt ggcgtggaaa ttgaggagaa taaggagaga 240
agttgaactt tgaagtgtgt ctcaacagtt tctcattcat canagttatg acangtgta 300
cacatgtntc tatttatang ctaacacatg agaagcttcc ttaagaagca aggaaggtag 360
attccttgng aagctatgga agaaagcttc ttgagaacta gagggggcta ctccaccnc 420
caatagctan ctcccccat gccaaataaa tgaaatacat tgggaagctc cttggaagca 480
ggaag 485

<210> 15209
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15209

agctntaaag attttggttg aaatgtggtg tcaattcatt tatgtggtgt gctcatggtc 60
cattggtgaa aatcttttca atatttatc ttcgtatgca caacattata taactattta 120
tcaaaattcc acaattatgg ttaagctatt tatataactt aatattaagt agccatagtt 180
tcttctaatt aattcgagct tgaattaatc tagatcctaa aacactcttg tatttaaata 240
gctcaaatta atttgaatac catgtgcaat ttttggatct agattattca gctntaatac 300
aagagtgtc taggcggtga agactctcaa tcaatttcaa tacatg 346

<210> 15210
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15210

tacacattaa gntatccta tgcaacacaa gttagttaca atgaagttat tattattatt 60

atatggtcaa ggtattatTTt tattatcaca aaggaatgta gagagaaaaa agacaatgga 120
 aagagtgaca taagaaggTTt gacaaagtga gcgcatagcc aanaacaaaa atgtgaaaat 180
 ggtaacactc cgaacgTTaa taacaccatc acatcaccaa tgcctactct ttctccctca 240
 ctcttctct tctacaaatt gccataaata anatctcgcg gcaaattctt tctctattca 300
 tt 302

<210> 15211
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15211

agtcgaccct gcangggcat gcaagcctta ctttgagaaa gtatggaacg gtagtctntc 60
 ttcgtgaaag ttacgagggt ggggcctatt cacacnccc tacaatatac taaagcttct 120
 accttcatgc ccagaatacc atgaataata ccaatgggca aacttgcctt tgagaacgcg 180
 aacgaatagt cacttctctc tngngaaagca agggaagaag aactcgcttt gaaaagctaa 240
 gagatggggg gggagggtac nagcggctc catttactta cggacaccat tcgacaccg 300
 agttaaagc tattgccatt gaactctctc aaagcttcta attcaatacg aacgtctcgt 360
 atataccgga ctcatccgac tccaagtaaa agtaatgtgg tcgattttct catacctaca 420
 ttttaattct agcgttcgat tattcggaca catcgacatc cagtaaaatc atgtcttgat 480
 tattataccc 490

<210> 15212
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 15212

aacagagata tctattctat agatacatat aattataaca atttccatgg ctctttatac 60
 tgtttcagca ctgctgcttg ctaccacgta ctgtgtttta gctatggtaa ccaagttacc 120
 ccatacaagt gagcaataac ctattataga cttctgtga gtgatagacc ctaccagtc 180
 aacattagcg tatgccttga tggttcatac tgcggtatct ttgtgttacg agaagacata 240
 tgcatatgcc ctctcttctc aagatccgat atactacctt taggtagtct tgataggagg 300

aatgtgtgag atgacttact aaacttaccc ca

332

<210> 15213
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15213

agcttatacct tatggtctgc ctncggactt caccctcgt gccacccag aagatntaag 60
tcaagccctt acttttgagg ggcaactccc accttatgaa gactatcccg ggccagacga 120
tggggaagga gatacccatc ttggccccct cctccacctc aaagatccat ccccgcatga 180
actacccag ccgaacatag tccgccatat cccggcctca cccacgcctg tgaaagaatc 240
tgttcccttt gcggagagta gggaaagatt gggcgcttga agaaagggtg anggcgtcaa 300
ggcctcgga ttaccattc toggattggc agattatgtc tgtaccaaca tcgtcatcct 360
ccanatcaag gaccagactt gataatacaa gggcaaca 398

<210> 15214
<211> 143
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15214

acacacccat tctaaaacta agctcacctt cttgagaagc ttccttgaga agctagagct 60
tagctacaca caccatcta anaactaagc tcacctcctt gagaagcttt cttgagaagc 120
tagagcttag ctacacaccc cta 143

<210> 15215
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15215

agctntcttg ttatattatg tgtttcaaga acaaaatgaa naataaaca acaattaaac 60
aaaaaagaat aattgtgtca ttctttttaga gaggggtgtg gcagtaaaga aantttttca 120

tgtttaagaa tcttgggaat gaataaaatt tgttgattga acattaaaag tctctagata 180
 agttctctag gaatgacaaa attacacata ttcttatcga ttattttaat tatttattat 240
 attatatatt ctaataaaaa ataatatgat attcttatta taaaaaaatt aaactcgaaa 300
 tggttaagatt ctcaattctt ttatgagaaa gctcttggtg aacattaatt agaaaattct 360
 cccagaanag taatttttat tacatatggt catgaatttt ttaattatgt tcttct 416

<210> 15216
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15216

acacatgttc accatttttt ntatacaaga accttaaaat aggaaataaa aataagcatt 60
 tttgtaacta tttgtaaaaa aacagagaat ganaaataaa ctaactntct tgggtgtcaat 120
 gataaactct cagtttgata aactacatct gctcaccagt ttttaaacaa gtctttaaaa 180
 aatataaata ggaaataaaaa taaaaatgat gccatctttg taaatattta taaaaacaga 240
 aaatggaaac aaaaatattt ttaaaaatca catatgccca tagctactaa gataaaggct 300
 caatgggtnt gtatatctgc tangtataag aaaaacttnt tattatccgc tntttctacc 360
 aagcaataag tagaaacaat tagcatncta nnattacatc aagtctcttt acaattatga 420
 aatattaata atctaatecc tctgggtctct ctctctttct ctctctatc 469

<210> 15217
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15217

agctngaagt tgactaattt atctattaga gctanttttt aagctntgat ctgacctaat 60
 atgaaagtta tttatttgac ttgttatata aaataccaat atgcatgtca acaaaccat 120
 aagccgaaat aggctaaccg gcctaaataa tccataaggg ctcatctact aacttattta 180
 atattttgta aagttacatt gataatataa agacttaatt ataaaaatag tcttcttatt 240
 tttttccaac ttactaaatt agtctcatta tattntaatt cactattaga gtctttnttc 300

aaattgatta tttgtgtcct cagaacaaaa tttagacgtt gacgattaag aagaaacagt 360
gaccaccatg tgtcattatc taattgggtg gtagaatgat gaatganaat taatgatc 418

<210> 15218
<211> 78
<212> DNA
<213> Glycine max

<400> 15218
aagtacctgt gtaatcaata ggatgtaact ttatttgtga cccatgaaga ccttaaaaag 60
ggtaagttat caataaac 78

<210> 15219
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15219

catcaagctg aagttttgtt gaataatcta nacatctttt ctgcatgtgc tcgtatggta 60
cttctttgat atagtgcgaa agtactggag ctactcttta ccattgaggt tgtctaattg 120
tgttgacat tggtagtcat catatgttta gtttctagac gtgtctgtaa ttgtaaattt 180
accttgtttt gccaacataa attatcatct gatttctata attgcctgct tactcttctg 240
atatatgctg agctactagt atttatatcc tctatttgag ttcttgagaa ttacatatgc 300
tcctgttcgc ttagtctgaa gatttcattt tgtggctcca taagtcatac atttgaatcn 360
cttggaaacac atgtatttgt tacac 385

<210> 15220
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15220

ccccaatgcc acaagatata aaaaagatag ttatttccaa aatgtcaaga tggngtgaga 60
tnatgattgt gatgcaatcc cccccccaa gggcactgga tagaagactc caagaagatt 120
gagccagaga tgcaagagaa ggcctatga ttctcatgag ccttanggta gatttcgagc 180

ccatgggcta agtacaagcc cacttatctg tgtacatatt agattaatgg ttcattatatt 240
 ctgggnngttg tatttatggc tccataatgt angtagggtg ccctagaaat gtaggatnnt 300
 tcacccttgt attt 314

<210> 15221
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 15221

agctttatct tatattgtca gatgcagcat tgaggatcag agatattaac tatgggccag 60
 atgtgctcat ggaagaaatt gaaaaatata agacgtatgc cgagagggtg gagcccttta 120
 ttgctgatac tgtgcttgct atgaatgatg ccatataaca aaagaagaag atttttgttg 180
 aaggacgaca agctaccatg ttggacattg attttcgaac ttatcccttt gttacttctt 240
 ctagcccatc aacaggcagg atatgcactg gtctaggtat tgctccaaag gtagttggtg 300
 attaatatga gtggtacgtg gatatttatc tatttctttt tta 343

<210> 15222
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15222

ttcctatgat ttcatatcta atcaagaagt ccctttccaa acaagagaat caatagcaaa 60
 caaactgtgc ctattttaga agaaacctta atcaagtaaa taaaatcaaa atgagcgta 120
 taatttcatt ataaagtagt caaagaaacc atataccacg taatgccaaa gacgctacca 180
 agtgatcttg aataatnnt ttcctttaac cagtgcacga tgttgaagat aatgttcaga 240
 actntgaggg caaaacagtt aatagccaag ccaagccaag cttatatatg tntatanntg 300
 taaacaaaat canaacaag ctggccgata aattaaagaa gtacgtcatc ttaaatttga 360
 aaccggatat attgtanagt gatcgaccac caagctctag tntaatagta aatgaagtac 420
 tataactnta cagaaaaatca cntntgaatct gtacaattat 460

<210> 15223
 <211> 433

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15223

agcttgtatg attatttgtt acccatcaca tgttgtacta ngtggcggtc gggcgatggt 60
gcacaacaag ctttccacat ccacaatgcg cgcagaaacc caccattccc tgttgcccac 120
cttcaactga gctcacgtac tcccacgtag cccatacctt cgtttctctc aacaccgggt 180
ccccatcaat actctcaagc ttccacaaca ttcaagcaaa acaacattca aacagcataa 240
gctatcacaa ccaagaaaaa cagagcgaag gcagaaaact ctgctcaaca catcaaccaa 300
aatcacagct tttctcacgt aaagaccaca gtaacaattt cttcgatcca attcggtaac 360
cgttggatcg actccaaaat tttactggaa gtctatagtg cataagccta cattntgacc 420
gttgggatct act 433

<210> 15224
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15224

ttgctngctc tanatctaca ttgatgttgg tatttattgt aggaggttgt atgccatttt 60
tgtnntaagg gtagcatttc ttggtaaaac taactttcct aatgtttgcc ttgcgacgat 120
atggccccga ggaagcttgt ctcaaagagg tccaggaagg acaaggcggc cgaaggaact 180
agttccgctc ctgagtatga cagtcaccgc tttatgagcg ctgtacacca gcagcgcttc 240
gaggccatca aggggtggtc gtttctccgg gagcgacgcg tccagctcan ggacgacgag 300
tatactgatt tcctggagga aatagggcgc cggcggtgga catcactggt tactcccatg 360
gccangttcg atccagaaat agtccttgag tttatgcaa tgcttgga cagaggangg 420
ngtgcnaca tgagatctgn gtanggggta gtggatccgt tgatgcgacc tatcggccag 480
ctctggatat ccgtagtgn 500

<210> 15225
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 15225

gcaacgcatg aagagtttaa tcaatttaag agaaatgatg tatgggattt atctcctaca 60
 ccaacctctc acaagtcaat cggaacccaa tgggtgtttc gaaacaaact tgatgaatct 120
 gacatcacat taaagaataa atcaagattg gttgcaaaag gatacaacct agaagaaaga 180
 atctgctatg atgaaaccta tgctctagct gcaatgttag aagctatacg attactactc 240
 tcattcgctt gattatgaat ttcagactnt gttagatgga tgtaaataatg tcttctcaat 300
 tatgcattga gaaaagtgtt gtaatcaacc acttgattga gctatnaaca tctaccatgt 360
 taaaacaaca aatgtcttta tgttgaacat cacaagtct 399

<210> 15226
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15226

caactcccc ccttcctttt aatgatctat atgttaactn tcccnncann ccgagggttg 60
 atctgaaccc catagcacct aanatctcag ctctgtagtg aatcggtgca gcaactccctt 120
 agagtctttt acgatgtgga tgctgagcca tgttctcgga atgatcacga tcataaagct 180
 cataatcaga atgcctctaa ttataatgct ccctatcacg atgttcaa at cacctataac 240
 agaatgcccg attctcacgt tattgaatgc tgcaaatgat caataagtat ataatgatgc 300
 cttactaate tatgagatgt tctatctatt ctatgatata aggggttgaag atcaatagat 360
 tgctctact catacactta cattagcatg ctcaacta gattgccttg tcatgcttaa 420
 taacggtgta tgtctgaact acagcaactc ctaaatagata ttctaatagac ttgagattct 480
 gcagcgtacc cttatttgat gtgaaatagc catacacatt ccacccaaat ttaagtctac 540
 ttgtaagcta aaatgcaggt aggatattaa tgatacn 577

<210> 15227
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15227

agcttgtgac tcttggcaat ntcttttaan aactagtcac ttaanaagtt gtgacttttg 60
aaaaaatctt tagaaacaag tcaattgaag aattgtgact cttggaaatg tatttttcga 120
aatcagtcac tggtaatcga ttaccattaa ggtataatcg attacacatc aacaaatgtg 180
actttttcat ttgaattttg aaaattaaaa tgtttagaag ctctcgtaat caattacaag 240
tggtgtggta atcgatacaa gtgttggtga attgattaca ctagttta 288

<210> 15228

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15228

tggccttgtn gctatcttca tgagccttag atctcagctt gctgttagtg ttctaagaga 60
gaaggtcang tccagagagt tntagagatt ntgctatgta agatctgca aaccngagct 120
tgaagcggaa gctgtctgag agcttgagat gagtntgtga agtggtgaaa atcctagagg 180
tgaaagagac atcctcacca cttngatntn nttgtatctt tttgcatggt cttctcnttt 240
gtgtaatgaa gcttctgtt atggcangct aaatcctctg tggatcttct tgtangactn 300
gatgtaatat cttctatcta ttaatgatgt ttgtgtgtct ctgactctag ctttcatcta 360
gatgcattac ctgacatgcy atcatgcttg tanggtatca cagtgaactg tctatctatg 420
actgatngca ggctagtgcata tatatacaga tcggacatat ttatgatatc tg 472

<210> 15229

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15229

agctgtccgc gaagagatct aggagggacg ccatggctga taggaccagt gccgctcccg 60
agtttgatag ccaccgtttc aagagcgccg agcaccagca gcgcttcgag tccatcaaag 120
gatggtcatt ccacagagag agatgcgtcc agcttaggga cgatgagtac acagattttt 180
aggaggagat agctcgccga cattggacgt cgctgggtcac tcccatggct aagtttgacc 240

ctgatatagt cctggagttt tatgctaattg ctnggccac agaaaagggg gtgcgagaca 300
 tgcagtcac 309

<210> 15230
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15230

tcttcttcta ttgtccatgt cttcttcttg ctttaattcat cagtnggcta tccttctgtg 60
 tgcagcatca ttgtgatgtt cccagccttt gatgacagct atccagggtc tgctatccag 120
 tgatgtgagg aatgccacca tccttgctct ccagtattca tagttgggtc catctaagat 180
 tgggtggtctg ttcactgggtc ctacttcttt ctccatgttc atcagaatat atctccctag 240
 atctactct 249

<210> 15231
 <211> 247
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15231

ggtgtactgt taatacatatt ctgaacgctn cttatattat gctaagtagt gtgtggataa 60
 aacaaattaa aattcaaagg tatatataat agatggaaat ttaattattt taactaattt 120
 attntatata ttatttgaat aaaataattt aaaatttgtt tttaaaataa tttgatgatg 180
 tgtaaaataa aaataacatt ctttaaaaaa atgggtggat taattatgtg gtcaactcat 240
 caattca 247

<210> 15232
 <211> 204
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15232

atgcagacag aaccaattca aacacatatc gaattcagtt aggtgcgcta acctatgggt 60
 nggcgtcaaa tattcagaan agacgcagaa gctacttgac ggagcttcga tcttacgcgc 120

atcanaatat tacgttacct gtaacaaaca tacagtagag agagaacaga gaagcatacc 180
tagaaatcgc agagagataa caaa 204

<210> 15233
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15233

agcttctcat taatatgcca atcaacttcc tcaagtgtta cattntgaag ggtattttaga 60
ttctcttgga agtactctaa aattgttttt gtttccatct tgaatatgtg atggaatctt 120
acctaattca taacctggag catntatagt tttctctaatt atttctaatt gcctgcataa 180
tcaaagctcc aatctttcaa gagctcactt cctcttgaga tagagctcta tcatttaagc 240
cagccttcaa agcattcagc tccttttttaa tattctggac ttttctagca ttagcttcac 300
catttgaaaa ctccaatgct ttatacactg t 331

<210> 15234
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15234

agtcnctttg ccccttcgaa cttgcaccca tcatcaagcg accttagata ctaagcttca 60
gaatgatctg cataactgac attttctcat agtgcttggg gcctttgctg aacgatctca 120
ccattcttcc tttcttttg ggtctgctta ctactatacc cctgggtttgc tattcgacct 180
ctacccttac tattatctnt cattgcctaa cagatacatg ccanacataa gcttgaacta 240
ctttattttt gggaagaggc tgcanatact ataccaagac atgctgtcga agtcttcgtt 300
cttatctata gtgtgaaact tatgaaacta ngagtgggtat gtaatcatat gtatgcanta 360
gactagatga tactatcagg aatttgata ttcatthaac gatatttgag cattgtttga 420
tgaagcttac ctcatcaaaa tctagatacg gttgacatgg agactaagac atcaacgtct 480
acttatgcta ttcgatcnga agttactttg ctacacaaca ttg 523

<210> 15235
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15235

anatgcaatt catggggctc cgaaaaatgg ttgaggatgg agaatcgcac taagaaatca 60
 ctacgcatgg ctcccaactc gtgggtggag gacgcatgaa cgaatacgca attcatgggg 120
 ctccgataaa tggttgagga tggagaatca cactaagcaa tcactacgca ttgcttccaa 180
 ctccgtggtg gaggacgctt aacgataacg ctatcatggg gctccaaaaa gggttgaaat 240
 ggagattaca ctaaccatca ctacgcatgg ctccaactcg tgggtgatgc ncatgaacga 300
 tacgcattct tgggctccga aaatgctgaa atggaaaatg acttacaatc ctacgcatgg 360
 ttcaactctg gtgggggacta taaccaaccc attatggggt cct 403

<210> 15236
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15236

gagagagaga nagagagaga gtggcttatg atatngaacg agatatatga gagaagttga 60
 actntgaagt gtgtctcata tgtttctcat tcaacanagt tgggacaagt gttacacatg 120
 tntctatnta tagcctangg cactaacggt gtgaatntca ttctcatttc atgtgaacct 180
 aanagggata ttccaagaat atgccaaagg cattatagta tattcccttt aaatgtcaca 240
 agcatggaag ttgtggctct agcacat 267

<210> 15237
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15237

agcttcgcac ttgataacgg agaacacatg agcagcgcta ggcaatgaca ttcattggtgc 60
 tcccgaaaaa ggtggagtat ggaggattgc cttgagggtc cgcacttang caatcatgaa 120

actcagctcc aaactcgaaa gtggaggaca cgtgaacagc cctaagcaat aacattcatg 180
 tgactctaga aaaggatgag aatggangat tgccttgagg gtcctctctt angcnatcat 240
 ggaacatagc ttcaaactcg aaaatggagg acacacgaat gacaatgcaa ttcattcatg 300

<210> 15238
 <211> 210
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15238

tactctagtc aatcacattt ctgtgaagtt cttctttgtt catccctttn ttgcattntg 60
 cttattcttg ttcaaacaag aaactcattt cttgtgagta aatctgatct tggcacaaca 120
 aactggtgcg gtgaacgtgg ataattttgg gctcgattca agaaatgggc tcggccaagt 180
 atgaggttga aaaattcata gggaaaaaatg 210

<210> 15239
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15239

agcttagaaa ggccggttaga gataaatcaa cgatggagaa tgtaatgtta aaggatgagc 60
 taatgaattg tcagacgtca aatganagtt tgaaagagca attgagcaag acaaaaaaga 120
 atatgttgat aatcattgat caatataaag aaaaggtgaa cctagctgct attcataggc 180
 aggtgctgag agatgaacag gcgatggtgt catcctatca gggtgaaaga gaggcaaggg 240
 aagacgtgaa agttattgca tgaagaacgc atgaagtgga tggatagggt tgctctcact 300
 ttgaatgaaa gtcaagagct tccatagctg ttagccaaag ccaagactgt ggctgacaca 360
 tactctactc ccgatgaagt tcatagtctt ttcaattact gccaacacat ggtcgaacta 420
 atgaccaca t 431

<210> 15240
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15240

tcttcttaat gaaaccgtta anaaggcact ctntaacatc ctttgaataa gcttaatggt 60
nntgtgagca acaaaggcta aatgattct tataacttca agtctagcaa catgaacaaa 120
ggtttcagag aaatctataa ctttntgttg attatctct caagctacta acctagctnt 180
gttgcatact acttttcctt gttcatccaa cttgtttctg aagattcatc ttgttccaat 240
ggtgctcttg ttntctggca ttggaacaaa tgtccagaca ttcattttgt taaactgatt 300
cagtttttct tccattgtga ttatttagtc attntctatc anagctntgt ctatagtnt 360
aggttngatt canacacatg ngctttaatg atatctagtt taactccttc ntctaatttc 420
agatatatga tcttat 436

<210> 15241
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15241

agctttgata accacacgaa tagcgaattc acattcactt agaacatctg atgaacatat 60
agctgtaatg gctccaacaa agtctctcga aagagttgaa gcattcttgt atctataagt 120
gctggtttcc aagctttcct ttgggtatgaa ccttgccgaa aggactgaa aataatccaa 180
tctctgtgac gcaggccata attgagcttg actcttgcca acttggcttg atcttccaac 240
aaatacccta tcatctttct gtcaacagtg atanagtagg ctaaatatct gaaatgaaat 300
tctatatntt gaatcagcat gttttcatct atgaattgat ggaacagaaa ataacctgaa 360
ctggactgca tttgattcat ctagatataa cttttcatca atctctaagc ct 412

<210> 15242
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15242

ctacaccatc aggactcgag aggaaattgc aacaatttta cacaagaatc tcaggaaagc 60
acaggagagg atgcagtngt atgctaacaa gaatatgata gacaaagaat ctgtagtgcg 120

agatcgtgta tatctgaagt tacaaccatt taaacaacaa tcaataccta acttagtggt 180
 tcacatatta gccattgac attttagcta gaagaataaa gaatagaggc aacatgctgg 240
 ttacagaagt gctaatacat tgtcaacata ccacaccaga agaagctaca t 291

<210> 15243
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15243

agcgatgctc tagagatcct ctacaggcat gctgcctgcg tccagccgct tgatatattt 60
 gatggactca tggtcactat gaatgacaaa ttccttggga taaaggtagt gttgccatgt 120
 tttcaaagcc cgtactaagg catacaactc cttatcataa gttgaatagt taagggtagg 180
 accacttaac ttttactaa aataagcagt tggatggcct tcttgcatca acacagcccc 240
 aatcccaaca tttgaagcat cacactcaat ttcaaaagaa ttttgaaagt ntggcaacgc 300
 aagtataggg gcattagtta gctnttgctt aagaacattg aaagcttctt cttgtttctc 360
 ttcccatttg aaaccagcat ttttcttgag cacttcattg agagggtgctg ccaatgtgct 420
 aaaatccttc acaaatcgtc tataaaaac 449

<210> 15244
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15244

aaagagaagt tctgaaactc atcacgttgt ctaaaaaggc cttgaggtgg atccaagtgc 60
 tctgatcatt cattagcata ttcattgattt ggtggcatgc tcaccactgt ttgtttcttt 120
 agggaaactca ccataactaa naaagcgcan aggcacccct ataacacctg atccaaaagt 180
 aagatggata acgaagagga agtgcaagaa caaatgaagg ccgacatgtt ggccttaaaa 240
 gattagatgg cttctatcac ggaagccatg ctaaagattc anaaatcaat agaagataat 300
 gctacggcag ccgtttccaa tacagctagg gaagcggaac cgggtgctaca gcccgtaata 360
 aacttnggcc gagatagana tgtgacgggt ttcaatcgga ggtatagtcc tcaagcctac 420

ccttat

426

<210> 15245
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15245

agcttgaatg tccatctcct tctctntcac tcttcattnt catgactagg aaggattcaa 60
gtttctagct caaccacac tattttcttt gtttcattga gtcaacaaag agttaaggga 120
gtagtatttc atttcttagg acccgtacta tgttgctagg aactcgaact tcattttacat 180
gatgatnttg tatgtttagt acaaatccca taactctgta attgtggtac tgtgaatact 240
gcgaattgaa tttgtgaatt tggatcaatc tgagncattg ccctaanacc taagaagcta 300
catgatatgc tattggattg tgtacttgga aataatttta agttaagcaa tatatga 357

<210> 15246
<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15246

tattgcatta ctttccttaa ttntttaaat actgctcaag gggttccac gaactctaac 60
agaataaagg tcattcctga gtgaccact ccaccaatta taaaggaaat ttggggattc 120
catgacttaa caaactttta caaaaggggt gtcccatatt nttctatacc ttgagcacc 180
ctcattgagt tggagaggaa ccatgttccc tcat 214

<210> 15247
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15247

nttgaaacct tgaatccct taacnccgtg gaaaaagcga gntntcgaga tattcaggct 60
actaatgctg catgttgta agaattctca tcacatatat atatgtgaat gttgaggac 120

tgaaaatacc ttagatatga atgatatagc aaaaatacct cacataatat atatatgtat 180
 gtttgggtag caagatacct tggatatgca tgtatataac taanatacct cacaaatata 240
 tacacatggt taggtagcaa natacctata tatatatata tatatatgtg tgtgtgtgtg 300
 tgtgtgtgtg tgtgagtgtg tgtgtgtgac ncccacttat atatcagata tcttcttagg 360
 gtctagtaaa ctatatatat tgtatgatcg ctgcttatat cttgattatc atatatccat 420
 atttggtatc atctcttctg tacgacttta actaatatat tgacttccta tctcttgact 480
 caacttcaag actcattttt tctcg 505

<210> 15248
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15248

tgtgcttggg tcgttcatga tgagcangtn tgaaccaata cttatagcan atntattatc 60
 acagaataac atcatagagg gcacatcaac ttcaaagtga agaagtaact tgcttaacca 120
 aacaatttca ctagtaacag aagacaagac acgatattca gcttcagtgg atgatttaaa 180
 atagtggggt gtntcttaga atgccaagaa agaagttggt tcccaaaaa cacaaaagtc 240
 agaagtggat cttttggtat caacacaact 270

<210> 15249
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15249

agcttatgca tggaatatgt aattatgaaa ttgagatgcc cgaagataca ccatttccta 60
 gttaaccatg cattatgtac catgttcaat tattttgttt ttaagtgaaa tgggtttatg 120
 atcccaacat ggttggctcg tggtgccctaa cacatgaaac taagaatgta gtgtgaaatt 180
 tcacgcttcc cctttttttg tttntgtttt gtagaggaaa acgcaaggat gagcaaacat 240
 gataacaaat ggtatgcaat tntgcagatc anaaagtttg ttgaacgcat atgcatgatg 300
 atgccatgac tcatgcaaaa tgtgaggccg gaatatgata acggacaaat gcaggatatg 360

tccatttatg atgtatgaag agatgcttat gcgatgcatg atatgaatgc attntacgga 420
ca 422

<210> 15250
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15250

tactcagctt ttatccaggc tcactcttggg ggtgaagctc tntnttccat ggcttattcc 60
ttaatggatg gcgcctcctc tcacctcttc tctttgtct tccgctgcat ctccatgggtg 120
aaaaatcacc attgaaggac ctcatgaag ctcanagatc cagcttccat agaagctcca 180
caagcaagct tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttaa 240
aacctccatt aatttttttc ttgctctct cttccattgt tgnntcttaa ttnttctcca 300
tgtatctcct cacatgtctt gttctaaatg ttgttaacat gattctttag agtntccacc 360
gattaaactt gctatagaag ttagattnga ttntctatgg ttcanatttc ttgttcttgt 420
tcttgaacca tg 432

<210> 15251
<211> 393
<212> DNA
<213> Glycine max

<400> 15251

agctttacgt gtgtccaagc gcagtatctt ctgcgttttt atcacaaact gataaaccat 60
ccacaaaaat tgatatttgg tgtaaatttg ttgcattcat ataataatgc tggacacttt 120
cggaatgaat gagcttatga gcatctgcta aatatgactg cagtgtgttg catatctcaa 180
tggatgacag ttctgtgctg ttatataaga actgtgcagt aattattctc ttttaattgtt 240
actaaattta ttatcttttc cagctatata attatatatt tatggatg atattatttt 300
atcattaaaa catgcattca atcttggatc ttgcatccac gttgccacc ttagttatag 360
gtagttcact tctccagcct attactaaat tct 393

<210> 15252
<211> 172

<212> DNA
<213> Glycine max

<400> 15252

tcacaaaagc ttgaaggcat gtaacccact atcttctcat agtagaacac cggtaatgtg 60
tctactatca tttttatcaa tctcctttcc atcattggag gtgctacttt gagcttcaaa 120
tcctccacc ttggccgta ttctttgaag gattcattct cttctttcac at 172

<210> 15253
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15253

agcttaacat acatgttagt ttgtgaggta catctgntag cttatatatc tgtttgccaa 60
ttttaagctg aaatctaacc gttacaactg tctgagactg tagttttaaa agttattcga 120
tcttatgttt gagtgggata gctagatgaa gtcccttgta tgaccgaagt tgttttcatt 180
gtcaacgttg caattgatgc cttttctatg ttccatgcag catctatgct taactggagt 240
ttgatatctt tgcttgattt gatggcattt cttttcattc agtacactgc ttctagaaag 300
ggtgagaagc ttgctcttat ccttgctatg tattcttaaa tacatgaatt ttcatgcctt 360
gtacttacac ctaaagaaac cagaggaaca ataaagggaa ttggtgatgc ccatctcaaa 420
tttatta 427

<210> 15254
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15254

ttctggacat gttgcctca ttgaatacta gatatacaata tgtcaaaacc attttaaatc 60
ataccatacg ctgtcaacat tgnctaaat cctttacagc tcatgatatg gngaaccaca 120
atgtgccacc aggatactgg gcaccattta ataaccagaa agagccttca aaacatgcat 180
cgtctaaaga agcatcaaaa ggctatggtg gaaaatcttc tggtagagaa caggagggtg 240
tatccatgtc aaaatgctc 259

<210> 15255
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15255

agcttgctac acaaataacc tgtgattgtg tcaatctcct gtgatttgtgt gtaggaacaa 60
 ggaagtanga actattagcc tatgtgacat ctggtaaata accagattga gatagtttgg 120
 tgtggccatg actatagttc taatagcagc catgatatta anagtccctt tttgcaacct 180
 aaattcagtt tagttaaaaa acattcagtt cccttctccc taattttgat ctcatgtttc 240
 cacttttttc tcaatctctc ttcatatctg atttatttaa tgattcactc tctcatacct 300
 gtctgactgt ngaatttct 319

<210> 15256
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 15256

atctagtcaa gttcttagag accatacaag tttcctaacg atatctaatt atgtgggcca 60
 ttaagtctat catatgctga caatagccga gaagcccatg aatctcttcg ggggcggagt 120
 aggtgtctgc catcgccctg gccttggtta acaatcggcg aagttcttga ctcccgttca 180
 aggtaagagc aaactgatcc atccacatgg ttgcctcttg gtgtaaagag tcatcacct 240
 ttctctagc ctctttttcc gcgtatactt gggcatattc gtcccgaatc ctatgctcgt 300
 gggccgcggc tagacctaac tcttcttgga ct 332

<210> 15257
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15257

tcatgttgct ttctctatct ctaacaaaaa cttattcaat aatttaacct taanaatcta 60
 cgtgtttcta aagaagtgt attggttcaa atttatatgt tattggtctc taccaaagaa 120

aactccaagt gaggtttatg catccttctc cctctgtagc cttcttctcc acccacctca 240
 ccttctagcc attccattgc ttttgagcca cccccctcta cagtgtcgtc tgacaactgc 300
 tttgatgctt cctcataatc cttaaaacaa catcttgcac cccatgtcta tggntcttct 360
 tacaccatgg ttaccaccaa anagcctcct ttcacactga ctctttaaat aaactac 417

<210> 15260
 <211> 64
 <212> DNA
 <213> Glycine max

<400> 15260

gtgggatgac accgactggg atgacattct cttgcggtat tgcataatgtg gaggggtgaac 60
 gtgt 64

<210> 15261
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15261

agcttcanac ttgcatcana ggagttgagc aggtaaaaaa gattcgtctt caaactctta 60
 gaggtgactt tgagcgtttg tttatggagg agtccgagtc aatttctgat tatttttctc 120
 gagtattggc cgtagtcaat caacttaaaa gaaatgggtga agatgttgat gaggtgaaag 180
 tcatggaaaa aataacttga actttaaatc caagctttga cttcattgtt accaacattg 240
 aagaaaacaa ggattttatag accatgacta ttgagcaact catgggttcc ttacaagcat 300
 acgaagaana acaaaagaga anaattaaac anaaggaggc tacngagcaa ctactacaac 360
 tcaacgtaaa ggaagcatac tatgcaaatt aca 393

<210> 15262
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15262

gcatgctagt caacctttac cttcatctgt tttacaggtt acaggttgca cactttatgg 60

tggagctcat gggtcaggct tctgtattcc cactgaagaa acatctcatg aagttaatta 120
catgggaaac cagcctagac aaaattntaa tgcagggtgga ttttctggat ttcaacatgg 180
ccaaccttac cagcagcaga ataaatggag aactcacctt ggtaatcagt tcaataaaga 240
ccagggtggg ccacctaaca ggccacaaca acaagggtct agcttatatg agagaacaac 300
aaagctggaa gaaactcttg cttagtttat gcagggtgtca ttgactaatc ataagagcac 360
agagtc 366

<210> 15263
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15263

agctntcaat gcacaaattc taaataatta tatgaagact ntgatcaatt tcaattatga 60
tattaattnt tttaaattat atataaaaac ctagacagca agaaaaagag aaaatacaaa 120
atcaatatct ctctaaattt ctcttactt tatttcatca attcatatta attagaaaaa 180
gtactcgatt tatagggttc acgctcaaca caatagcata tcaatttcac aacaattggt 240
ctggcaaaca tatataattc actggaataa ttataaggga taaatgaaaaa tggaaaaaaca 300
ccccaaaact cattccaatt gatattctta aagatcccta cacatgttct cnactaattc 360
caattgtgaa taactcatcc cttacctcta aacgggatca cg 402

<210> 15264
<211> 211
<212> DNA
<213> Glycine max

<400> 15264

gtgagctaag ttggagggtgg gcaacagggg atgggtgggtt tatgcgcgca ttgtggatgt 60
ggaaaacttg ttgtgcacca tcgcccgact gccacctagt accacatgtg atgggtaccc 120
cataatccta caagcttgag atgaggaagt gttgaagggt gaaacttcct gcttttattg 180
ttgaccacag agtcggacct ggagatatgt c 211

<210> 15265

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15265

agctntgagg ctatctatgg accattaact tctaataata ttgcagattc ccaagagggt 60
 ctggaacgga ggaatttgat acaagccaat gcaaaaacga ttagactatc aactatcttt 120
 gcaactcttg atagacgtct gataggggag aatgaacaac aagctattaa gtggctactt 180
 ccttcaagat cattgccttc ctttattcct tttcaaaatg tttctgttga accaaacttg 240
 aacgtctgat tctaccctag tttcagagga catcaaatct tggaatggaa aacctgcaac 300
 anagtttgaa gaagaaaagt ggatgttggg actcaagttc ttgatacctaa gatgaaaaag 360
 ctcaaactaa agaagctaaa tctacttaat ctct 394

<210> 15266
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15266

ctgatcttta gcttaatgag gcctttatgg gatttaccat ggaatcacgg agataaggaa 60
 agaggagaga gatatacta ggaataccat ggaaaggact tcgcacaaaa atgcttgata 120
 aactcgaagg tggtatggag aaanaaaaga aaagaagagg gaccaaata gagaagagga 180
 aagtgccttg tggtataaac ttatttaagt caaaggctct cttttatgca gactctgact 240
 ctgactctga ctttgacttt gaatttgact ctgacta 277

<210> 15267
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15267

agcttgatg attatggtgt accatcaca tgtggtacta tgtggcggtc gggcgatgga 60
 gcacaacaag cttttcacat gcacaatgcg cgcataaacc caccatgccc tgtagccac 120
 ctccaactga gctcacgtac ttccacgtag cacatatcct cngttctcat aacaccgggt 180

ccccatcaat gcgccaagc ttccacaaca ttccagcaaa acaacattca cacagcacia 240
gctatcacag ccaagcgaaa cagagcatag gcagtagaac tctggccaaa caccaaccaa 300
taatcac 307

<210> 15268
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15268

ttgggccatt gatnccatt catnannena cactatagan tactcaagct ntgcatgtca 60
ngtagttctn gaaaaagaaa ggtccaagtt cttgagagtt ttangangat ttgctgtgtg 120
aagatctgca gagaccngag cttgaagcgg aagccgttct gagagcttga gatgagttag 180
tgagtgcgtg tgagatccca gaggtgaagg tacatcctac cacttgaatn ttcaatcttt 240
catctgtctt ctcttgtgta aggaagcttt tgtatggaag cttaaacttta tngatttctt 300
gangtactga tgaaatcttc tatcattaat gatgttggtg tctctggcat atcttcattt 360
atatgcttac tgacactaat gctctttag gcacacatga actgctattt atactgtagc 420
aggctatgct catacagatc agtgcaatta tgattgtgtt 460

<210> 15269
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15269

agcttcatta gatgttgcatt ttcagtatca gttcctctaa tggaagaacg atatgcatt 60
cttgcatat aaatntgttt gattgtagtg caacagttgg cattgtgctt cttcaacggt 120
tgcaggatgt tttttggttt caccatagac tntgtcatat caacaataat tntcttttca 180
tccttgggtca atttcccaac gtatggatgt ccaactaagg acttggccaa ttcatgattg 240
tgaatcccat agatcaactt caccatccaa ccttcnctc catgcattgg tttcccacga 300
agcctgaagg gacaaccaca tttctactc tcagtgtctc ttctaacaaa ttctttcttt 360
ctacacttat actgaccact cctttcacaa ccaattaaca caaatgaaag tcttctctta 420

ctaccagtat gtgtgtcaga cctcat

446

<210> 15270
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15270

cctcatcagc anaaccaaca actgcagaat aattatgatc tttcaagcaa canatacaat 60
ccaggttgaa gaaatcatcc aaatctgaga tgggcaattc ctccacaaca acagcagcct 120
gtccctcctt tccaaaatgt tgttggtcca agcaagccat atgttcctcc tccaatacag 180
cagcagcaac tgcagcagtc acaataaaga caacaagcaa ctgaggctcc tcttcaatc 239

<210> 15271
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15271

agcttatgca tggattatgt aattatgaaa ttgagatgcc cgaagataca ccatttccta 60
gttaaccatg cattatgtac catgttcaat tattttgttt ttaagtgaaa tgggtntatg 120
atcccaacat ggttggctcg tgggtgcctaa cacatgaaac taagaatgta gtgtgaaatt 180
tcacgcttcc ncctttcttg tttttgttnt gtagaggaaa acgcaaggat gagcaaacat 240
ganaacaaat ggtatgcaca tttgcagatc anaaagtttg ttgaacgcat atgcatgatg 300
atgccatgac tcatgcnaaa tgtgaggccg gaatatgata acggacaaat gcangatatg 360
tccattatga tgttatgaag agatgcttat gcgatgcatg atatgaattg catttacgga 420
cacg 424

<210> 15272
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15272

tcttatccag gctcatcttg gtggtgaagc tctntattcc atggccttatt ccttaatgga 60
 tggcgccctcc tctcacctct tctcctttgt ctcccgctgc atctccatgt gtgaaaatca 120
 ccattgaagg acctcattga agctcacaga tccagcttcc atagaagctc cacaagcaag 180
 cttccatcaa gtggtaatca gagcacaaga agcttaagta ggtgctcctt aaacctccat 240
 taattgttgt tctgtgcctt ctcttccatt ggtgggtgctt acattttctc catgtatctc 300
 ctcacatgct ttgttctaaa tgggtgtaac atgattc 337

<210> 15273
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15273

agctttattc aaactattta atccattaat gtcaaagaat tgggtcttga anaagcataa 60
 caagactttc tctgattgcy ttaaagatac aacctttgct gatgaaaatg gttcagaaac 120
 attaagaaag ctagcatatg ggccataaagg aaatgttatt acttggcaag gatacgacat 180
 tatacagtat ttctttttaca caaaagcaca tgacgacaaa agtacaatgc ataacagcga 240
 ggtcacccta agggctgaat cttaacactg tgcaagtgtg catgatgaca atccttgcgt 300
 agcttcatcc cttactttgt gttcattgat gacatttgng agcttaacta tgtcataatt 360
 attgcatgtg tcttgcaatg tatatgtgcy gaccgatgat g 401

<210> 15274
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15274

tcctctctaa gcttcttatt cagacactct ctnggtggtg atgcttcttc ttccatggct 60
 tattctctag tggatggtgt ctctctttac ctcttctctt ttatcttcca ctgcaactcc 120
 atgactgaaa atcaccattg aagggcctta ttaaagctca nagatccagc ctccctaana 180
 gcttctcaag caagttttaca tcatgagata tcatgtagaa ccaactccatg tagtctgctg 240
 cacactgtcc aagtgcaca catatctgac ccaccaatgc aaggatttca gaaaactgaa 300

ttcatctatc atcgatatac tagagatg

328

<210> 15275
<211> 427
<212> DNA
<213> Glycine max

<400> 15275

tgtcttgcaa gcttctacta agtctttcta aagtaatcaa cttcaacatg ctttgaagct 60
gtgaagaagt cgtaagagtg atgaagctgc actatatcaa aatgagatat caatttgaac 120
ttcatcaagg gaattcatca aagtatggac tcattctcag taaacatcag atgactattc 180
taatgattct tcagaatgcc catgatatat gtccatcaga atgtgaacct caaaatggtc 240
ttgtctgcta ttacatcatg acagctggaa agtgaaccta cttgctctac aagtgtatta 300
gttgtagga gccactaca atgattttct tggagctcta aaggcattgt cgaggcatgg 360
agacaagtga accttcta atctacacaact atgctgattc tgatgagaat tatgtttacc 420
tccacct 427

<210> 15276
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15276

tctatacaag tngagggttc tctttacctg aatagtatag tgtacaattt gatgtctntg 60
tgtgtagcat aagccanaag gaatttgatg gtcacaagtt cttctattgg tgttaaagtt 120
tcttcatatc aattccttct tattgattat atccttgagc caccagtctt acgttgattc 180
taactatctc tcctttttct tgttcttgan aaccatttg gttccaatta ctaactaatt 240
cttaagagat ggtacaagat tccatactnt gttctttgtg agccgactct attattcttc 300
catagtagca acccaagaat cttcaactcaa tgcttcatca atgttctttg gctcaattat 360
tgagaagagt gtcacatnct ctttctcttt gttcaaagaa gctcttgtnt tgactccaga 420
tgttatttct ctaatga 437

<210> 15277
<211> 512

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15277

gttgacacgt ttggaaaccc tttgaanccc cttntactta cggcgaattc agctcgtacc 60
cgagatcctc taagccacct gccgcatgca gcttggtgtg agaaatntgt gagattaatt 120
acccccctc ttaattattg agccacttgt gccacaaagg tgagaatccc aaagtgtgtt 180
caagtctgta aggatttata aagataggga aatctcaaga ggttgcttgn gacttgacat 240
aacacgtgaa gggccgacca gataaatcga gttgcaattc tctcttcctt atcttattaa 300
tttattgcaa tcaactttgt cttgcacatt taaagaacac tattanantt gattggctgc 360
ttcttcttct atatgtacaa aaagagtgga ngggtctgct gcaagctgag gtganggtan 420
gatcaccact ggtgcagaaa gctctgaaag taccttcaag gatagcgagg gagtggcagg 480
acctacctgt ctcacctgtg tctnactttg cn 512

<210> 15278
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15278

tacaccaagg ttgatacata acatctagtg tagccaattc catgagagtt cgattgttat 60
caaccattat accaactacta antttttcag aatcacaagg aataagaata tcgtagagaa 120
tagaataagg aatgaatnta gtatgcacta tactactatc caaaactaca ctatcatgca 180
caactacact tctactctta ttacttatac ttaacctatg aaatgtctca tctatctcaa 240
gatcatatgg atgcaagtca catgatttgg acctagtca 279

<210> 15279
<211> 236
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15279

agcttatccg aggatctcat ggaggtagat tctcaacgag agctcctatg ttgtagacac 60

acatactaact actgctgggg tcaaagccac ctgctccata attatcagag ggagatggat 120
 aacagacacg gagagaatgg anatggtatc ttgattgatg tattattgct attacaattg 180
 ctcacttata ctaacttccc tactaacaga atctatcttc ttatgctcag ggaata 236

<210> 15280
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 15280

tatcatccat gacactagaa ccacagacac tgaatgttac atacctaacc tccccactat 60
 cttcaatgac ttcaaagtca ggcatgttat ctacacaagg atagtcgtca tgtacagtag 120
 catacgatag acatccatcc cttagactta caccactctc atacatactg ctcttgatcat 180
 cacatgatct cgagcaatac gaagactcgt cgatgtcata atcttgccga ggcacaacat 240
 atatttttagg ctcacttact ctcttactta c 271

<210> 15281
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15281

atgttgatcg agtttaaatt taatgggtgt ctttatttaa ntgggtacca aattttatat 60
 taaaataaca ttaatatatt ttttattaat tatgggtggt tcattggaaa aacaaataaa 120
 atatttttaa agtttgcaaa aaaataacat ccgttggcct aaaaccgatg tagaaagcac 180
 attcaacatc gattttttca aaaaccgata ttgtaaatgc actttctaca tcggttttgg 240
 ccaaaatcga tgtcataatc acattcaaca tcggttnttc aaaaaactga tgttgaatat 300
 gactttcaac attgggtttt acagaatcaa tgtagaaaat atttcaaaat atacatttca 360
 acatcgatgt tctaaaaccg atgttatntt ttacaataca acatttggtt ttt 413

<210> 15282
 <211> 166
 <212> DNA
 <213> Glycine max

<400> 15282

gctgtactga cctgaaccac cataatacgt taaggtctga gatttattca cattttctga 60
gacattggag gtaaaattct tacatcccca cactcgaata agcatgaatg ttcacggtaa 120
tgcttacact ttgtgattga gatgccatat actctactaa catttc 166

<210> 15283
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15283

agcttgtaac agttagatnt agtataatnt acgtttaata ctatataatc ttcttacttg 60
actgtttgta caagattact tttcttcccg tgatcaacat ggatttcttt taggagatat 120
atataaagtt gatttatttg ttaaaaaaat cctaaattcg attatgatat tgatttgaaa 180
tatttttcat taaaaatgat aattaatctt ttttaccat aaaatttatt ttataccttc 240
tggttaaact atttgattaa gatagatata ttattaccac ttatataaat cgtttttatt 300
ttaaaaaatca tatatttttg tgagtaaagt tattttttaa gagtaaataa taatatatgc 360
caaaaatata taatactatt ctcta 385

<210> 15284
<211> 124
<212> DNA
<213> Glycine max

<400> 15284

acatgaaatt gaggcactgg tttgcatttt ctgtctatgg aaggaactca tacatgatct 60
tgcttctatt aagcattaaa actctgtctt taactacaat catgcacagt aaattttata 120
taat 124

<210> 15285
<211> 412
<212> DNA
<213> Glycine max

<400> 15285

agctttgagc taaatcaaac gacaataact ttttactcag atgtctgaat gaatcgcgta 60

atatatagag atcctcgtaa ttgataacgg aggctctgag aaattactaa cgacgttaac 120
 tttttactcg gatgttcgat tgtgtctcgt aatataatga gacgctcgat attcagaaga 180
 gaagctgtga gcaatatcta acgacaatta ctgttcactc ggatgttcga atgaatctcg 240
 caatatatcg agatgctcat aattgataac ggatgctctg ggataattgt gacaagaata 300
 acaatttact cggatgtccg aatgtgtccc atattatatt gagacgctag taattgaaga 360
 tagaggctcg tagcttattc aaacgacact aacttttact ctgatctcct at 412

<210> 15286
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15286

tcttgcttga ggagcttcta tggaggctag atctttgagc ttcaatgagg ttctttaatg 60
 gtgatattac accatggaga tgcagcggaa ggtcaaagag ataaggagag gggatgcacc 120
 atccactatg gaataagcca ctgaataaag agcttcacca ccaagaattg ccttggataa 180
 caagcttgaa gatgatgctt taatggacga aaatactgag agaaggggtg acacgaaatt 240
 gtacgaatac aagagggaaa gacgcggaac tttcgaaggg tttcttataa gactctcatt 300
 catcaaagtt accacacgtg tttaccatgc ttctatntat tgactaagta gc 352

<210> 15287
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15287

agcttctact tgcttggaat tttccagtct atctttctta ttttttcgcc tacattcttc 60
 ttcaagaata gcttaagcaa catcattaata ggtagacaa gtgacattat tattatttgt 120
 tatgttgata atgagtttat catataaatc tggtagactc taaagtagaa gctctaccg 180
 tttgttttct tctatgttaa aatttgatga gggaaattgn gaaaataaag tattcaggtt 240
 ttcatgtggt atgtcaccca agtggactca ctggttcgaa gagtgcagag tttctcttc 300
 aagaatattc tagtctgaag tgacttgatc tcatacaatt tgtggaaagt atccanata 360

tccttcacgt tntccattgt taagtgcaaa tt

392

<210> 15288
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15288

aatgaaagcg ttgacagtgt taacatgcta aacatagagg tggcatcttt gacggctact 60
actgattcag tgacaacaat ggttgcagca aaggaggaag taaagcaggg tgttgcagat 120
gatctgaact ctacacattc aacaccctgt gaatggtttg tctatcatga tgacaagagt 180
gctacaaggt gtatcgctat tcaggtaggg aaacttaatt gagtacatac tattgctctt 240
tgaactataa ttgtacttgt tgggtgcacc ttgcaagttt gttgtaatnt gcgagaattt 300
gcaagcttaa atatgataaa atcataatca tgggtggttct caacattatc tggcattgag 360
agaatttgtg agctaaatat gataaaaactg acct 394

<210> 15289
<211> 366
<212> DNA
<213> Glycine max

<400> 15289

agctctgttc aatagtggga tgaggcgtgt attttctttg taacacactt tgataaacca 60
agcaattctt tttttttttg ttatcattta gtagctagct ttctgccttt tatcgccagc 120
atagctagca acattgcaag cttttagaat tcttacaagt taagcacgcc tacaaaaatt 180
aattcacata ctagatactt ctacgagtta actattccat tgcattcttt gcatgcacct 240
tctaattgtc tgagtgtcgc gatatgttaa ctatttcaaa acttttaaatt tctcgttcta 300
ttattacatt agaaatctta aaatatgtat aaatgaattc tgtaagagtg tacaaataag 360
ctatta 366

<210> 15290
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15290

tgtcggcctg attgngccca ccattgaaga agtccttgac cttgaaactc atcgagctca 60
 tcttctctcc cacttccacg cctccgatta tcagacgctc tccatcttct ctaatctccg 120
 tctttcttta tgcaaatcca gagagtttcc aaacaacgcc caaggactct cgaaaggctt 180
 tttttctctc ctctctctca cttgcatcat tataatttaa tatatgctat tgtggcccat 240
 taccctctct cacttcactc ttcactctca ttattcccta cccaacaaca atgatcccag 300
 aacactactg agactcatct ct 322

<210> 15291

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15291

tgatagaggg gnnnntttga agccatgact tgtatacggc gaatacagct ggtacccggg 60
 atccttagag tgatctgcag agtgcaaccc aggcattgca gctaggggtga tgtngcacgt 120
 actgatgggt accatgaggt gcacgcggcg gtttgaccca tgcgtggcgt tgatagacag 180
 cacgggtagc tgcgttcttg ctttatgcca cacgaagtac cgatactttt tgcattcgaa 240
 ctctgaagg agacgtaata gaactgtact atgttcaatc ctaacttgat tctttatcca 300
 gcgaacacta agatgcgcaa tctggacgac atgtgaccta ctagctgctc atagtacaac 360
 actcgccacg tgtaacata ctagtgatca tctctctctc gacatcgag agccaaatgt 420
 gctgcaagaa tttcaacgtg tcgtatactt aagggtttcac ctctttgtga actatcagag 480
 atgatgcac gaaa 494

<210> 15292

<211> 289

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15292

gaatataagg ctttntaatt gtcattcatt caacattccc tcaactaatga caatcatatg 60
 agaaaaagaa taagaacgaa natttctagg caatganagg tattcgcaag aaataganat 120

atantttgct ttcagattgt gatacgtaac tcatccagat aagtaacttt tgtttgatta 180
 agtaactttt aagtgcagta atttggtttt aaaacgtttt gccttccaat tcttggtatt 240
 gcgaaanntt attttcaaaa tgtttgtaca gtaaattaca taactactc 289

<210> 15293
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 15293
 agcttatata atacaacaat gaatgttgaa taaggatat tccaatggaa tttctaatta 60
 taaattataa ctggatcaac ctttggttatt caagttttta tgattcttat gttttcattt 120
 ttttattttc acagttactt tcttcattaa cttctgcctt tgaatttggg tcagttgctg 180
 atttagcttt aattgtattg ttgaaaatgg gttcctagct ttcgattgag gagctagttt 240
 aatgtcaagg taagttataa tttcatatct tcatgccaat gattttcttt tccctttctt 300
 acagtgcata ctgttatctc tattttactc tttttaatta ggattcagtc ctattctttt 360
 attggatttc gatattcata tctacgtact tctaacaa 398

<210> 15294
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 15294
 tctagactat ctgtggtgca agtaaacgca aagtaaatat gtgatagata gtgattactt 60
 tatgtaggat gcacattgca atataccttc taaatggatg gtaacttaca gaaactacca 120
 aaatccattg attacattttt attggagtggt gtgattatct ttaaaaaaaaa attagagggt 180
 ctgcctttat cagtaccac aatacgata gactacaatt attgtcattc tccattttgc 240
 aaataagatg gccgtcgat cttgacatag agatattgat ataaatatac aacatatcta 300
 tatatatatt tgtatctaca tatatatata taaactcata tgcgatgaga ttatacatat 360
 ttatatatat atatataata cagtcttata tatataaata t 401

<210> 15295
 <211> 401
 <212> DNA

<213> Glycine max

<400> 15295

cttgaagct tgtgttcctt gttaattatt ggtattagtt gttgtttatg tgaatattag 60
ttgttaaatt tcaattgaat tatgtttatat gatacacaca tgtaaagta gttgcattac 120
tattagactc tcttatacat taattgggtt atatgaactg ggagaatgat tatataatta 180
gaaaaacaat tatagataaa attgtctaag tgagatttaa atctaactg aaagatgaaa 240
ttagaaagct tgaccattgt gtcaattaat gtcattggta tattgaaata tgacttataa 300
taaatagaata tatgctaata atcgaaatat gacttataca ctgtgtgttt aaagtgttgt 360
tgtttatttt tgcacttctg agatattatt atgatcttta t 401

<210> 15296

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15296

tatacagana tacatatntt ccagcaacat cttgatggca ctacaacaat acaacataca 60
tcacatggaa atattagatt acagccagac acaatgcata gatgctactg tgtngngtgc 120
tntgctacat tgccacatga atttctggta caggaactgg ttggagggga tcaaattcaa 180
taaagaatgt ccgaatctcc atccgagcaa gttcaaccac caacttcgta agatcaacag 240
gtcctcctct caccaccttc agttcttcag tggagccttc tactttcaat ct 292

<210> 15297

<211> 368

<212> DNA

<213> Glycine max

<400> 15297

agcttggata tgatgcttca atggaggaaa agaaagaggg agagaaagag agaggtggga 60
gcacgaaatt gaatgaagac gaaagggaga gaacgtgaac tctgagttgt gtttcacaag 120
actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactatgtag 180
cttccttgag aagctctctt tgagaaactt ccttgagaag ctcttttgag aaaacttcct 240
tgagaagtta gagcttagct acatgcaccc ctctctatca tagctcacct acttgagaac 300

tttcttaaga aatttctaaa gaactatagc taactaccat acctttctat agcttagcta 360
 ccccatg 368

<210> 15298
 <211> 553
 <212> DNA
 <213> Glycine max

<400> 15298

tcacgcgtat cgaagccggc tgatatataa tctcatgtgc cacacctct aagagtcgcg 60
 agagatgata cttgaagtgc aacctagtgt acgcacgcat aactactcat cggagatggg 120
 agtcacgagg cttcatatat agtcctgtga tagcggtact gtgacgaata gattatgcct 180
 tcgtgaaatg tttgcggggg gcatcatatc cggaatcaga ttacacgagg acggatacgg 240
 gctagcgtat gcataccttc aggacgttct acattaggac accgctatcg ctgcgagata 300
 tgtgacgcga gcgaatacgt ccggagcgag acattcctag acaatatcgt gagcgggtat 360
 ttagattggc gcatggcctt aacctacagt tagcatctgt ggaatgtttg tggcgtagta 420
 aagcgggtga ctaggcaagg gcatcaccat gaacgtggat ggggacgaat acgacctacg 480
 tcaatcgccc gggtagcaag caatatctcc ctttataagg ccaggaactg ctcttgacaa 540
 actgtaaaga agg 553

<210> 15299
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 15299

agcttgataa gtatttaaga tctgctggaa ttcgtgatcc ctgcgaattg tattgtttct 60
 taaattggga aaatccttgt tggaccgttt ctgggaatat ctctgggatt ggtccaaaga 120
 agtcccacca ttgcataaac caattgggaa aatcgtaaat tgtgttggtc ttgaaatata 180
 tcagccatga atgcttgaag cgggtatttt ggtgccccaa caccttattc caagcatcaa 240
 cgtaatccca atatgtatta cctaccgat caaatggaac tgaaaatctc tttcctttgt 300
 tcaagtctga accaaagtgt cttgggtgaa gaacttttag tatttggatg gctgagtgtg 360
 tgtctaattg ctgggtcttt gatctctgaa atgttgat 398

<210> 15300
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15300

ttagccttag gttgttctat gntgcttatg ttgatgctcc tcctatctct aatagtttga 60
 gacctcagac aaagatgatt cttgatggct catcaagagg tactattatg tctaagagcc 120
 ctaaggaaga aattgtaatc attgactcta tagaagccac tgattatcag agtcaccatg 180
 atagggtctt ggttcaaagg aaagttataa tggagccaga tactcacaat gtaattctag 240
 cttagaatat actctcgact caacatatag aagccttaac aaaacaaata ggccaacttc 300
 cttataatc tgagtagggg ggatcacaga agacatacca agctcattaa gtacaaaaag 360
 ttctaagatg acccattggt tagtacctgg tgattgc 397

<210> 15301
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 15301

ttgctgctgc atgcaagctt atcatatggc gtcgatgaat aggtttcttt gttgctctca 60
 ggatccttga tagataccgt cttatttctt ttatgcacta ttgtgccctt atgacctaat 120
 ggactctctt tgacagtcca atagaccaca gcatatatat tttttctttg attattacta 180
 ttattattta attttcacat gttctcttct aattctttct tttattttct tctcattaag 240
 ctctttcatg acttcttaca ccttttttct aagttatctc tgctttttga taatactttt 300
 tgttcttttt cactttatat atgtctctct ttttagattt ttctctgctt tcgtttttaca 360

<210> 15302
 <211> 211
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15302

tgtagtataa agtgtatatt gccncacatt tgtttcaagc ctgtgttatc gtacggccgg 60

ccctgtatga tatgtgacng agataaaagc gattgtgtgc accccacatc caaatgcccc 120
 aaatgtccgt ccagaaaca cactttctca ataggaaatt acaataatta taacgacggc 180
 tgatatgaaa tgcgtttttg aacgatttct g 211

<210> 15303
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15303

agcttatgcy catatttctt tacgaacggt cacttgcaca agacattcta ttaactaaga 60
 aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120
 aaggtgtatt tggtacctac atcacacaca tttcctttgc taaattcaca tacatgcata 180
 ctctaagcac tntggctatc gaaaattgca tacgtgcata tcttgntatt tctaatacct 240
 atacatacac aaactttatg ataaatctng actatctaca caataagggtg ctacatttca 300
 tgccctttttt caaagttttg ctacctaag cgcgatg 337

<210> 15304
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 15304

tgtaaagcat tgatttgata ctggcttctt catcatgtgg ctcatgatag tttaacaatta 60
 atgatccttt gctaccctgc aatgagacac acatagatac acagacacgc acacatagag 120
 accaacacac agacacgaac tcagaacaca cacacacaca cacatataga tacacacact 180
 acacacacac agagtcacac acacttattg acacagacat agactcatat acactgagcc 240
 acagacactc acagaaaccc aacccataga cacacactct gtgtcttaac acacacatac 300
 actaatccac tctcacagat gggcagacct caccacataa agagacaaat cgttcacata 360
 cacacacaac acta 374

<210> 15305
 <211> 425
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15305

agcttggaat gatgcttcaa tggaggaaaa gaaagagga gagaaagaga gaggggggag 60
cacgaaattg aaggaataaa agaggagag aagtggaact ttgaagtatg tctcacaaga 120
ctctcattca tcaaagttac aataagtgtt acacatgctt ctatttatag actangtagc 180
ttccttgaga agctttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta tacacacca tctaaaaact aagctcacct ccttgagaag 300
cttccttgag aagctagacc ttagctacac acacccatct aaaaactaag ctcaccttct 360
tgacaaaata catgaaaata caaaaaaag tccctactac aaagactact canaatgcc 420
tgaaa 425

<210> 15306

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15306

agactatagt ctaaaactct gaaggataac aatgacacta accaatttgc cacaaattta 60
attaaaaagc cataatggtg agtaagagtt tccaattact gcagtgaatt tagagacaag 120
ttttggttca ttgttgaatg catanggcac gactatagtc tataactcta agaaaaccat 180
aagaactgaa caacaaactg aacaagaaaa ccataagaac tgaacaaact tataaaatat 240
aacatgattt ataaataatc ttatacctta actatgtgat aaaagttcaa tccttcacct 300
gtangcattg ggaaacattt tntattatta attattanat tcaattaaac cacatctcaa 360
ggaacgggta ta 372

<210> 15307

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15307

caagcttgac tctaaagagc atcatctatc atccaaaatt tgtacaagaa ttattgtgct 60

tgtcgttggt ttacccttca acatgctgga acaactcgtt tctttttcaa caaaataaaa 120
 tgactagatt gtattaatac aaggtaaaca accttatttc acacatgctt ctcaagcata 180
 tttgactgta gttgtgcac atgttattag aatgagcatg aaaaagcatg ttgtagatga 240
 ccagtagaaa gtctcagctt gactattaac acgttccatg acatcagtg caaggattat 300
 tctaaaaaaa gaaagaattt gaaatntcat tntttattct ttactttaat tntaatgtaa 360
 tatctctatt agttaatcta tttaatagaa tagaagttat aaaatctacg taattcacgg 420
 ttaa 424

<210> 15308
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15308

gtattaatta ttattgttaa ccttccagta tatatatctt gatcatca ttcattgttg 60
 tgtctttcct ctgcgggcat ggcgattttg tcttaatttc ttttagaatg catttagatt 120
 cataatttta ctgacgaaa gcaatttatt agataattta catctcttta atctaanatc 180
 gattgtttga atgttctttt ataaagaatc taaattgtta taattctaca caattaacaa 240
 tatagaattt taatttcctt ctaacaagtg agaaattgac attctcttct tgatcaaaga 300
 gccttaaaaa atatgtgcgt aatttcttta atacc 335

<210> 15309
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15309

agctntatcg cccatgtaag ttaagatgta ctaactgctg ccatcgggag actagagcac 60
 cctggtcgtg tccgtgctgc tgaaggtag tggtagaggaa gtctgagatg ttgatgctcg 120
 tgttcctgta accactctag aagttcagtt agtggggtag acacttaaca ctttccttgg 180
 ctgacacatc ttgtaaagcc ttttttagaa caagtatttc actttgtttt ttttaatact 240
 tattaataaa ggatntgtta caaattatgt tttcactgtc attcgcttaa tgtttattaa 300

ctgtgtagga taaacagga tcggcgaaac ctatagatta tggatcctga cattgatccc 360
ctgtccctga tgacattgac catcccacat cttttcctta agttg 405

<210> 15310
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15310

tgatatatgc caaggtgccg gtttggccag cggttcatgg ataaatgaat gtctgacatt 60
atttccatga cacacatgca acaatgatga attggaaata ttatgcaaaa ctagtcatgc 120
atgcaaccat gtggacactc aagcatcaag tttttatggt catgtgacac tagggctcaa 180
gatncatttt cctctataa gtcaacctag tgtttcccaa acatgatttt tttttatcaa 240
ttcatgcatt catccgagtc caatttgggc gtccgggaaa ttatacaaca ttcacccttc 300
agtgcataca cttttttttt tcaaaactgg tgtatgatca gtgaat 346

<210> 15311
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15311

agcttcacat ggagctacat cagaatggtc ttaaagtgtg ggaattgtgg cagtgctaag 60
gtaagtccca cttgagagga gaaggtagaa agattgcttg agaagaaaag ctctcttaat 120
atctcctttt cgttggacta gtcactctag gtccctatat ggaaggagtt caaccttgtc 180
ccccacttcc atattaagcc cactaaggaa cctagctatg cttgtttttt ccacctccct 240
aagtccagct cttaaaagga gtagttccat ttgttgctta tattctttga cactcatact 300
tctttgtcta agcctttgga gcttgtccat aagctccctt tcatagtang agggaaatgtg 360
cctcttctta agggcattct taagatcatt tccatacttt actggangat ccccatg 417

<210> 15312
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15312

acgattgac gngacccagt gctgagagaa acgaggatat gggctacgtg ggagtacatg 60
agctcagttg gaggtgggca acaggggatg gtgggtttat gcgcgcattg tggatgtgga 120
aaacttggtg tgcaccatcg cccgaccgcc acctagtacc acatgtgatg ggtaccccat 180
aatcctacaa gcttgagatg aggaagtata gaagggtgaa actttctgct tttattcgtt 240
gaccacagag tgggtacttg agatatgtcg cggagggtcaa gagaccttgg ggacgtcatg 300
tggggtgcta ttggccaaaa ccaagctgga ccaatccga cccaaccctg gcatattcag 360
tcagtgaac ctgtgatgac ctaaccgtcg agctcttgca gtcacagata a 411

<210> 15313
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15313

agctttgact tgagtcacatca agagattata aatatgtgac catggcatga gtttcaatga 60
atgatctctc atctatcatc tatctttcaa tctatcttcc aatatcttct ttcattctct 120
tcaacagatc tttctaaatt atttctcttc atttttctaa aagttttttt caacactttc 180
tcttccaaga aaagtttttt gtccanaaac ttgtgctatt catctttttc attcacttat 240
ccctttgcca aaagaaccaa ggactaatcg cctgaattct tttgtgtctc tcttctccct 300
tacaaaagat tcaaaggact aaccgcctaa gaattctttg gattcttccc tttcccttaa 360
gaaaaagatt acaaatgact a 381

<210> 15314
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15314

ctataatact cagctttatc aagagtttta ctctctggta atcgattacc agtggcaagt 60
tntgttttca aaaagctntc aactgaattt acaatgttcc aatcaatttc aaaatgggtgt 120

aatcaattac aatatattgg taatcgatta ccagtgtggt tgaacgttga aattcaaatt 180
 caaatgtgaa gagtcacatc ctttcacana aatgctntgt gtaatcgatt acaatgattt 240
 ggtaatcaat taccagtgat aaattttgaa taaaaatcaa aagatgtaac tcttccaatg 300
 gttctcaagt ttttctaaag gttataactc ttctaattgt tttcttgacc agatatgaag 360
 agtctataa agcaagacct tgacttgcac ttaagaatca ttctaacaat tataacaatcc 420
 tttatacctt tgaactcttt gacatcttct tttctcttct ttgaaaagtt tctaaagtta 480
 t 481

<210> 15315
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 15315
 agcttttgctt tatttgtacg gcctcccgta cttgaagcct agttgcaggc agtggttgctg 60
 cgcacaagac cccgagtctg aaaacagtgc tcatttcacg tgagtaaattg gcttaccatga 120
 catattcgctc tagcaattcc tcaacatata cttcaatcaa aacgtgacgc cactcccatt 180
 cagaaagaga tgagtgttgg tctccataat atgcttggtt accagttgtc agttccaata 240
 ggactacccc aaagctaaac acatcaatct tttcactaac tcgtgatgct tgaacatatt 300
 ctgcaattca aatatgaaga atcacattga gaata 335

<210> 15316
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15316

tctagctaca atctacaacc tgctagcaat ttgagaattg gatctatcag gaggtttcag 60
 acaatccatt tcttctcat cgatatccct gaagcactga tctaccatnt cttcgctaac 120
 cagctctagc tgtgaagggt cccactagtt aattaataaa ataaaacaca caacatgaag 180
 ggtaaaataa tcatttatat aacataataa tctaaattnt gtagaaagca gatacgatan 240
 gagaactatc ttttaatt 258

<210> 15317
 <211> 98
 <212> DNA
 <213> Glycine max

<400> 15317

agcagctgtt ttcaatatct atcgtctcga catactgcgg gacacaatcc gacaccctac 60
 tcttcagcaa ttggcgactg aattggctca tatcttct 98

<210> 15318
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15318

tttgagcnct tgaaaactga cgncnttgnt gaatctangc ctgtgacana nngaccncgg 60
 aaanatcggg acggtaagat tgagtagccg aacgaattac ttactcatta gagaataact 120
 gtcaacgcng atggaccatt ggacaccatc actaatctag acccttgtaa gtgaagacat 180
 acactctgga gcgactcaaa ccactatggc ttacactcg gacggactat agagtgcgag 240
 aataatacca gacgtgggaa cttttgagca cacatattga gaaattatac aagaataact 300
 ttacatggt ggcgcacga gtctgcta atgggtggcgt caaaataaat actggactca 360
 gtacaaatta aagacttatt attctttgta agcgaagaaa ttgtagaaga cacatgtcgt 420
 ataaaaatga ctctattatt aaacgctctt gtttgaatga gatgcatggt tgtttaatcg 480
 aatta 485

<210> 15319
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15319

agctctagat taacaacatg acatcatcac atcataaaac acaaaccctc gattaacaat 60
 aaatatggtc cattaccaat ctaaactctaa attgaatgaa aatcaaaacc taaacaagt 120
 catggcaata gagagagtta ttaattaatt gaatgagga aaacctaaac gaggataggt 180
 cagttccgaa ttgaacaatc agtgggaagct aagattaaaa tgttactggc aatttgcaag 240

ttgcaagacg acgacgctnt ggaggaataa taatcataaa acaaagcgag caacagttaa 300
gtgaataaac 310

<210> 15320
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15320

ctcacgcttc atgattcacg tatattngat acaagatntc ttaccccacc taaccgttac 60
ttttcatcac acttgacca cttggagtag tgaacttacc ctttttcatg accgaattta 120
anaaataatg aaccacatct taatgatcat cttttccctc tctcaatctg tgggaagact 180
ttctagaaga tngacataat ttaaggcaag aggagctccg gcatttagcc aaatccaact 240
cgtgagtgtc catgaagctt ccgcgttgca ttttcttttt ttctttataa gaaacaatan 300
aatatatata tca 313

<210> 15321
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15321

agcttgtgat atttgttaac gctttcttac taattatggt tatttgactt tggattaat 60
ttatntata ataaactcac cccttgtaat tntgtaccgt gtgggttgga cctgtgatga 120
tcgcgaacct ttgttcgtgg gagcagaatg acaacagtag agtatgagaa gtgaggttct 180
tttgtggagc tgctaagccg acgtgatgac gttgggatta tcttgggaga gagttgtgtt 240
ttttaatcaa ctctccata gctgggtcca cgattctttt tgttgactta aagaagtaaa 300
taacaaattt aattatatgt atgaacaaat ttacttttca ttatgtgaat gatatgtaat 360
gaggtattat acatatatat atatctatgt atatatatat atatata 407

<210> 15322
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15322

ntcacaagtt atctcataac tcanagcctt gtggcacaac acaatagctc ttgcttcatg 60
tgtttacctt cttgctgtgt ctattccatt gtggacaagt gcatcaagtg aagtatgtgg 120
atgcctcccg agttattcgc cttctggtag ccaaaggctc taatgaagta tgtngatacc 180
actgtcgtcc aggaagacct tgtagaatt aatgtctcat gtgagaggca tgtgacttta 240
tgtaggacta ataaataaat cattaataat taacgactaa attgttattg tgtaaataagg 300
agaaacttct aaacgtaact gttacttgat ggaagtagtg ggtgtanaag gggtaataac 360
ccactaactt gaaacaaagt cccttctgac acaagtgtct ctctatc 407

<210> 15323
<211> 372
<212> DNA
<213> Glycine max

<400> 15323
agcttttctc ttgtggagac ggcgacaaat atcggttggg acatggaaac aaggaaacgt 60
accttcaacc aacttgtgtc tctgcactta tcgagtataa tttccaccag atagcatgtg 120
gacacaccat gactgttgct ctactacat ctggtcacat tgttactatg ggaagcaatg 180
aatatggtca actatgaaac catctggctg atggaaaagt acctatccta gtacaagaca 240
agttgggtggg tgaatttgtt gaggtaatat catgtggatc tcatcatgtt gcttgcttgt 300
catcaagaag tgaattgtat acttggggga caggtgccaa tggaagattg ggacatggag 360
acatagagga ta 372

<210> 15324
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15324

tctattctaa ataacccta ttctaagtgt tatatatttg ttacatcaca tctcatgatg 60
attntgaatg tatctaaata tgcaatagct caaacaact aagtgcaaaa gtgtcaaatt 120
aatgcttata catttctctt anaaaatggg aaaaataaaa acattaatat ttaaagttgg 180

acgataaatt aaacttcagc agatgggtta ccaaagcatt atttacagta actttaaggt 240
 cttcctgatt gtggagactt acatcatgga aggctagcaa attgagccag acattcctac 300
 cactcataag agatactcgc cgttctgatg tgttacctcc aaaaatgaca aacacttttt 360
 cgagatcctt cacggcgaga aaaagaactt gtacgctgta gagatattga cctgcttgga 420
 agctgacctg atataccact aactgatgca agatttgga at 462

<210> 15325
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15325

agctttacag cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcc 60
 ttaacctatg gaattaaaac aaacttaatg gctgagtgtg actgaaattg tggcaaccaa 120
 aagtcacccc caacagccaa caagtcagcc accatttggg ctcccaaaag gctgatgcct 180
 aggttgccaa ttgggccctt attacaactt gaactaaagc ccttntagtt gattaaccca 240
 aaacatattt ttggccagcc aactntacaa ggattgggcc attatttaga caaactaaac 300
 actctaaaat tgaaataaag tgggtgtcatt t 331

<210> 15326
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15326

ntacagcaga nttagtaat gaccactat cctagaatta atataactta atgccattaa 60
 cctaggaat taanacaaac taaatggctg agtgtaactg anattgttg caaccaaag 120
 tcacctcaa cagccaacaa gtcagccacc atttggcttc ccaaaggct gatgcctang 180
 ttgccaattg ggcccttatt acaacttgaa ctanatgccc tttagttgat taacccaaaa 240
 cataattttg gtcagccaac ttacaagga ttgggccatt atttagacta actaaacact 300
 ctataattga aataaag 317

<210> 15327
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15327

agcttcccaa gttnttaagt tcttctctcaa aactgtccta agcaaagttc ccaaagtcct 60
 attaacaact tccgtttgcc catcgattta tgggtgacaa gtggttgaaa ataacaattt 120
 agtgcccaac ttgctccaca aagtcctcca aaaatggctt aagaacttag agtcctctatc 180
 actaacaatg ctctttggca aaccatggag tctcacaatc tccttgaaaa acaaattcagc 240
 cacatgggaa gcatcatcaa cttttttaca tggaataaaa tgagccattn tagaaaacct 300
 atcaacaacc acaaaaatgg aatctctacc attgctttgt tttggcagcc ccaaaacaa 359

<210> 15328
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15328

tgccaccag ctgcccagg cgagcaagga tgcttctctc agaagcaaca gccttctgga 60
 ggaatcttct ggaggccca agtgggcctg cgtgctatnt gcacccccac ttttactaag 120
 tacaccgct gccttgTTTT ggagtttctt tattcgtaga gttatggaca ctacgaatt 180
 tcttagcga acttgttatc tttccgtaat gttacagaac cttgtggnat acataaacat 240
 accctttatg acttacggaa tgttacggaa actcactaa 279

<210> 15329
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 15329

agcttcatgt cttagtcatg agtgctagac ttgtctgaca ttaatgaagg atgattacca 60
 taacaggaag ggtcgacgta attgaacatc ttttgaagtt ttcaacaact atctttcgta 120
 taaacattac attaaactaca ctgcataat atatttgact gtttttatag ttgttaggtc 180
 cgcaaatttg attaagttta agacatgtgt acaactaatt atggcttttg tgggtccttt 240

gttatgacta tgttttgttc atgggttggg tacttcttcc ctttacattg aatttagttt 300
 gttcgctgat agaaaaacac attgtctata taactaatta tgattgccaa attaaacttaa 360
 ttatccatca tgtgcatgag aatatggaca aaacataaat attgcgtatt gttatatgat 420
 aa 422

<210> 15330
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15330

tattgctaaa tgctaataca tcagcaattc tcacagaaat catctgttcc tgacaatgtt 60
 agaaaccatc agaccatggc catatataac tgtgcaagca tgatagaaaa caaattataa 120
 aactattaga aatgaatgag gaagtttgac aaaataataa gacaaatacc ttttcattgt 180
 atatacgaag cttttctttg actactgctn tagtatcatc tgaccgagta atgagctttg 240
 acatacagtg tgcaggagga agaagtggag ccatgaccat tccaggacgc ccattctcac 300
 tcttgatgct aatggaggca atattaaaaa ttccttcaca ttgattacaa attcttctac 360
 caagggcatt tgcaagcagt gcttcttctt ggagcttc 398

<210> 15331
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 15331

agctcagatt tgcattgatg ttattaaggt tgcacattgc tttgaaatca ggaaatacca 60
 tatgcattat taaagcgaaa tactactcat aattatagga aaaatagctg catgattgaa 120
 cttacgagac ttactatacg tggtttggta gtataggctc tgcttataaa attactgtta 180
 ttttgataat ctacagtaac ttttaatatatt gagtcattgg ctttcgttac cgtagggg 238

<210> 15332
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15332

ccgaacaccg tgccgcgacc cttaccggga ccccccgcc ccccatgacc ttgatcagcc 60
tgaanccagc tgtgcatgcc cttaccgact gacacgggat gagnaenng tctccccacc 120
gggattggga gaacgcaaca cacattttta ttgacggaaa ccgactggga tcatagaagc 180
atgctagctt cgtgacttac atcaaggacg ccacttatga gtttgcgaca gcaatgctct 240
taaccaataa tacatagtat gctaggaatg cgctatcagg agggataata acgcgtccgt 300
tatttggctt cattagacag aaggcgggtg acgtattcac gtaagaggaa agcctcattg 360
tggaacaaca taggtggcag aatgaaacct ggaattcaag ctttaggcga ctagcacaaa 420
tacacacagc actcgcggat gaacatgctc ggccatacca cgacggaggg aaataacccc 480
aacaacgagt cggggcaacc cn 502

<210> 15333
<211> 413
<212> DNA
<213> Glycine max

<400> 15333
agcttagact cagttcagcc taccatcctc agactgatgg ccaaactgaa cggaccattc 60
agtcgttggg ggacatttta agagcatgtg tcttatagca gaagggaagc tgggagggtt 120
ttcttccatt gaaagagttc acttataaca acagttttca ttctaccatt ggcattggctc 180
cctatgaagc tttgtatggt agaagggtgta taacaccctt atgttggtag agcccgagga 240
atgcctcacc ttacgaccag aagtgggtaca acataccact gagaaagtta agttaattca 300
ggacaggatg agaactgctc agagtacgca gaccagttat catgataaga ggatgaaaga 360
tctggaattc gacgttgggtg atcatgtatt cttgagagtc actccatgga atg 413

<210> 15334
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15334

tgagatgagg aagtgtagaa ggggtgaaact tcttgctntt attcgttgac cacagagtgg 60

tacctggaga tatgtcgcgg ggggtcaagag aaccttggga cgtcaggtgg ggtgctattg 120
 cccaaaacca agcttgacca atccccgacc aaccgggca tagttagtca gtgagaacct 180
 gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagacgaca 240
 aagcaaggag gcttgtgtgg tggctggcca gctgtgaact ttgattgata tatgggatat 300
 ggctctcgtt aatcgattac 320

<210> 15335
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 15335

agcttgacat aaacccaat attctttggt ctacctaacc actactggct ttgaacaaat 60
 ctacaacatt tgctggaggt tttgctcact gactaaagta tgatcatcta atagacgaat 120
 gtatcattta acacttttag tcttttcttt caatgtatac aaagtgtttt gagagctttg 180
 tatctttata agaatttaca gaatgcttta caagaaaaaa tgaaagaaaa attcacataa 240
 atagttcggt ttctgtgttt cttcaaatac atattcttca tcttcaagta tccattgtct 300
 cacaacagtt gaattcttca ctcagatctt tatctgaagt ctggagtcta ttggagcatc 360
 taatgattgc attaaatgca cttatctctt aatgaaatgt ccatgttgat aggatgggtg 420
 gt 422

<210> 15336
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15336

gctattacgt gacactatga tactcagctt atagggagtg atgcctatgc tagtgtgata 60
 actattatta taagctaaat ttataaggga taaaaactta tcccaactta caccttcac 120
 aagaacacat actctaagca tgtcttcaag gttctagatg atcctctntg attgactatc 180
 catttgagga tgataagcag tgctaaaact tagcttatac ccaaaagctc gctagaatgc 240
 tttccaaaat ctaagatacc tatctaacac tatagaggta ggtatgccat gaagcttaag 300
 tatctcctta ttgtaaatgt ctgctaattt gtccaatttg taggtctcct taattggtaa 360

gaagtgagca gacttgggta gctgtgccac aaccacccat atgacctcta gacccaaacg 420
aagttttgga aaactgttac aaaatccct 449

<210> 15337
<211> 385
<212> DNA
<213> Glycine max

<400> 15337

agcttcactt accatcacac ataaaaataa gatttggata aagtagcatc aattattcaa 60
tcaatatatt atataaaaca caaatattaa ttgtacttgt tagtacacgt gtgttacgct 120
ctggtaaaag gatgatccac ttttttttaa gtttaaaatt atgataaaaa ggaaggagaa 180
tatttttgat tcatgccaat tatattgata taatcattta tgtaaataaa aatagtaaca 240
aaaattaaat gtgcatttat gataattaa gaaaccaagc agaaaatttt aaattacatt 300
taattattta atttattatt attatattat ataaatgctt atttgaaact ttgtaaatgc 360
ttttctaaaa tttaaattct taaaa 385

<210> 15338
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15338

gattcatggg ttcgagctat gcatgatgaa attattgctt tagaaaggaa tcatacatgg 60
gtgcttactg anttacctca gaataaaaat gtgatttgtt gcaaattgggt gtacaagatc 120
aaacataatg tgaatggctc tattgaacgg tataaagctc gcttgggttac taanggctat 180
acacanattg aaggctanga ctatttagat actgtttctc tagtagccaa aattactaaa 240
gttcggcttt tgttggcact cgctgctttg ataagtgggt atcagacagc ttatgtaata 300
atgcaaactc atttgatctt atg 323

<210> 15339
<211> 388
<212> DNA
<213> Glycine max

[illegible][illegible][illegible][illegible][illegible][illegible]

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]

ccaatgtgac cggtgttcgg tgaatgccgt aaaaacaatc tcaaggttat aaaaagataa 180
 ctcttaaaat gtctcattct ctatggattt tcagaggaag tgtaaaaaca cccattaca 240
 gtaccaaca cataaaagac actaagagga gctc 274

<210> 15342
 <211> 209
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15342

tagtagtgaa tcacttattg tgaggacaag tagctatgac attaaattta attgccattc 60
 ttgttgcata tntctaacca tgcttttgat tttgctgagc taaaagttg aatgtgggca 120
 ccaccatact tagntgattg aagcacatga acacaataat tgttgaatga acgggaatgc 180
 atgaagagtg tgtatgtaac tttgctttg 209

<210> 15343
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15343

agctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcg cccatgagag 60
 gttggatcaa atggagaata gagatcataa tgaagaagaa aggagtagaa gagggaatga 120
 tggtgttcct agacaaaact gaattgatga tattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccagaggcct acttggagtg ggagatgaat atagagcatg ttntctcatg 240
 caacaactat gatgaggaac ataaggtgaa actngccgctc acggagtttt ccgactatgt 300
 tcttgtgtgg tggaacaagc tacaaaatga gagagcaaga tatgaagagc caatggttga 360
 tacatggatg gagat 375

<210> 15344
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 15344

tggagaggat gcttcaatgg aggatatgaa agagggagag taagagagag gggggagcac 60
 gaaattgaag gaagattaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120
 cattcattaa agttacaaca agtgttacac atgcttctat tgatagacta agtagcttcc 180
 ttgagaagct ttcttgagaa aacttccttg agaatcttct ttgagaaaac ttccttgaga 240
 agttagagct tagctacaca caccctctc ataactaaac tcacctgctt gagaagtttc 300
 cttaagaaga tcctaaagaa gctagagctt agctacacat acctctctta tagctaagct 360
 cacctccttg agatgagaag ctagagctta gctacacacc ttctataata gcttagctca 420
 ccccatg 428

<210> 15345
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15345

agcttctaata gctaaaaatat acatttaatac ttttatgtn tctatgatat tctatttgat 60
 atgttatttt tttttaaaag ctaagggtca atttagggtta attgggagtt tctgattttt 120
 tattttcaaa tgcaattttg ataacaaaat gcttttagcc acaattgagc taaaataatt 180
 tgactcatta tttttataac ttttacattc attctcaaaa ccaagataaa tattgcaat 240
 ctagttttta atttaaaaga atgcacactc tctatatttg acatgggtcct ttccattgct 300
 atcattgcac aaccaccatc tccatcggtca acgacactac tcaccaccac aaccacaaca 360
 tcatcatgac tatcttcact accaccacg ttga 394

<210> 15346
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15346

tatagaagca aaaatggacc cgaactacca aggtctacat ataataagcc accanaccag 60
 tgaaatatat aactgaatat aaaaaagtgc aacantttgg agaaggtaaa atggttcaag 120
 aggcatactg ctagcattat gagtagcatn tgcaacttta tataattctt cgtgatcatc 180

atcangttca cgtggatagt cgcatttcat atactgtgag agaacataat caaaagccaa 240
 tatacataac gaatatttac agactacatg ttaacctaga aataaattat accacaataa 300
 aaataataaa ttaatgattg acaagtatat gangataatg aaatatacta 350

<210> 15347
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15347

agcttagtgg attatggggc acccgtcata tgtggtagta ctatgtggca atcgggcat 60
 ggcgcaaadc aactctccca ctttcacaag tcaaataaa acacaccatc cccagttgcc 120
 cacctcttaa ctgagttcac aactcccac gtagccctta tccacgttcc tctcagcacc 180
 gggccccat caacccctcc aagctttcac aatatccaag caattcaatc ccaactatca 240
 tgaaactacc ctgaaccgag aaaacagagt agaagcagaa aactctgccc aaaacacata 300
 tcaataccac aactttccct actcaaatac cccagtaaca ttctctntat ttcgattcag 360
 taaccattgg atcaac 376

<210> 15348
 <211> 203
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15348

aggctcttac tcttcaatt ntgcattctc aagtctctga ccaaatctat gacttgcata 60
 cctttaattc tttcatttac ttctgaatca ttctggaaga aactccagat ntcatatggt 120
 gatctgatgg ccattgattct agggagaat tcttttgaga ccaccacaaa ccaagtagct 180
 cttgcctttg actatcgtgc ttt 203

<210> 15349
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15349

tagcttagtt tatgttagtc taaacctaag agggctgtct aaattaaacc tagtcgaaca 60
agagggatct gaggatgaag cttggattga ttcagtctaa ctagggatcg aggttttagta 120
atctaggcta caacatagaa cacaaaagca taatttatta gataaacatc tttatataca 180
tcagttgggtt cgtagaaaag atctaataatc tttacctact gctgtcaatc ttacttactt 240
gcatttgtat tgttttaacc tanactantt taatactgtc ctanatcata attatcaatg 300
tttctttaac aatgccttat ttctgaat 328

<210> 15350
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15350

tcttatccaa ggcacattct tggtagcgaa gctccttctt ccatgactta ttccctagag 60
gatggcacct cctctcacct cttctccttt atcttccgct gcaactccat ggtggaaaat 120
caccattgaa ggacctcatt gaagctcana gatccagcct ccataaaagc tccacaagca 180
agcttccatc aagtggatc agagcacaag agctttaagt aggtgctcct taaacctcca 240
ttaatntntt gctttacctt ctcttccaat tttgtttctt cttttttctc catgtatctc 300
ctcacatgtc ttgtgctana tgtttttaac atgaattttt agagtttnca ccgattaaac 360
ttgttataga agctatattt tgatttctat ggttcaaatt tc 402

<210> 15351
<211> 363
<212> DNA
<213> Glycine max

<400> 15351

agcttctata taagctgaac cattttatca ataaacacaa gttgagtttt attcagaaaa 60
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
agtgattctt tcttctctat catctccacc cttgttcttt caaaccacaa ttccagaaaa 240
tccacctctg cccaaaatta tctcgtgacc ataactccca ttttacacac tcaaattaag 300

tgattcttga tcttaaattg aatttcaaaa cgagatcttt cacctcgttt tggaaatcacc 360
tca 363

<210> 15352
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15352

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atgacttttc agacggatgt cggattatgg cgaatcacat atcgagacgc ttcataattg 120
aacaacagat actctggaga aattcaaattg gtcataactg ctcacaccga tgtccgattc 180
aggcgaatca catatctaga cgctcaaaat tgaacagagg atgctcttcg aaaattcaaa 240
tggacataac ttttaactcg gatgtccgat cagcgcgcatc acatatagaa gctcttgaaa 300
agg 303

<210> 15353
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15353

agcttcatga tgaatcaaga gtgattcaaa gatgttttga tgataacaaa gatgataaca 60
aaagatgatg acaaagggtga tgacaaaaag ctcaaagggtc aatcaaagaa tgagttcaag 120
atattcaaga tagaatcaag aacacttcaa gattcaagag gaaagttgat ttcaagaatc 180
aagaatcaag agaccaagat ttcaagaatc aagattcaag agatcaagat tcaagactca 240
agattcaaga atcaagagaa ggcttaatca agataagtat ganaagggtt ttctcanaaa 300
ttgagtagca catggattnt tctcanaaca tgtttaccan agagttttta ctctctgngt 360
aatcgatacc agattgggtg tatcgattac cagtagcana atggatttga aaaagtttca 420
aatgat 426

<210> 15354
<211> 416
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15354

ctangatcan nattttntct ctcaactatt cttcattctt cttccttttt tcactttctgt 60
tcttcctttc tcttgcacaa atttcacggc ttgtccattg gtgatgatca tggaaggcta 120
aacacttaat taatccaagg atccactata agtaaggctg aatttgagtt ctggtttagt 180
atttataatc tttgtgaatg ttcacatcttt cttcaatcct aatttttatt ttcattgatta 240
tgattatgat taggattgaa aatggattaa gttatggatt catttcctaa ttttcaaaat 300
taatcacaga ttgtttggat gattntccaa cttaatttgc gatctcaaac aatntaagga 360
ttgatttgat tgaactatct ctaatngcat tgactgaact ttcacactct gagcat 416

<210> 15355

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15355

agcttggttc ataaagaaag gtgagcataa tgcttatgta tgttttgaat caaatTTaac 60
tgaagttccc cataatactt ggtggattga ttatggatgt atgactcatg tttctaataa 120
gatgtaggga ttccttacaa cctgaaccat aaacccaaat gaaaagtTTg tctttatggg 180
gaatagagtg aaagtTccag tggaagctgt tgggacttat catttaatcc tagacactgg 240
atttcattta gacttatttg atactttnta tgtacctagt atttctagaa atttagtatt 300
tttgtctaaa cttgatgttg ctggatacct ctttangttt gggaaTgnng tgttcagtTT 360
gtataaacgt acttgatga atggatctgg tacgctttat gatggttata 410

<210> 15356

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15356

tcagcttgac aaacaatana ttaggtttta tggtagtaa attataaatt ttggctaata 60
aagaaaatga nagatgaaaa ctaanatacc taaatatcct cccatatcaa atccttctga 120

gtagcagggga cttccttcca agtggtgtat gtcacgtcga ccttatcatg agcgataatc 180
 cccaaatata ttcttaattt cttcttgtgc ggactatcgt ccttcccggg cgcaggatcg 240
 atgtggacca ccgatctctc tgccccaggt ggtctagtgg ccaaagatcg tagtcgtgtg 300
 gctttgcgtg ttcgcttcaa ggtagatgga aactctgatg ctactatagc 350

<210> 15357
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 15357

agcttccgat atgggctata cgaaagggaa atggggttcc agaatggttt atctagaatt 60
 gtggagtaag cttccggaat atccattctg aaagtgttat ttcgcagcat atttgaatc 120
 cagaacacca attttgaag tgacattgtt tgtaaactg ttcggacta ataatgtttt 180
 gtctctagtt gtgtagctta tgttgattgc gttgtttagt aatgtcaata agattttaaa 240
 tttcaatttt atgggtgcaa tatgtatatg ttacacgtca tcaaacatat aaggccaaga 300
 aaaataacta aatatttgtt ctaaatatga atttatttcc agcatatgtt tttgtcatag 360
 atatcatcta cgatgaattg 380

<210> 15358
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15358

tatgccatta ggaggcttca cccctgtgaa tgctgaaaaa cagctcctgt gtctgaattt 60
 gagtcaccaa agttgtaaat tgctgggaac caacattagc tgaagttaga ggcattccca 120
 gctgaaactt gaatgaatgt gcatgctaca cagagatnga accacacaac tacataaagc 180
 agcctcctac aattcatggg tgtggtagca atcactataa gtcttactaa gaaaatatgt 240
 ttcttcaaag gtttcctcta ccaactcaata aatatggatc atgaagtggc gttcttagac 300
 ttccgtgaag gcacttacta ttcatgcaa ctctgaagaa gagagattat atcaccgacc 360
 atttttctct catagaagta tttcacataa 390

<210> 15359
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 15359

agcttgatg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag ttttccacat ccacaaagcg cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatact cttttctctc aacaccgggt 180
 ccccatcaat cctcccaagc tttcccaaca tcaaagtaaa acgacattca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcaaag gcagataact ctgccaaaac accaaccaaa 300
 tcacagcttt tctcacttaa agactccaat aacaattcct tcgttccggt tcattatacc 360
 gtggaatcga ctcgaaaatt tactggaagt ctttagtaca taagcctaca t 411

<210> 15360
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 15360

gatgcaacat ccggagaggt taatgaaaca acgagatgat gcgctccatg agatggttga 60
 tcaaattggag aatagagatc atactgaaga agagaggatg agaacaggga atgatggtgt 120
 tcctagacaa aaccgaattg atggtattaa actcaacatt cctccattta aaggaaagaa 180
 tgatccggag gcctacttgg agtgggagat gagaatacag catgttttct catgcaacaa 240
 ctatgaggag gaccagaagg tgaagcttgc cgccacggag ttttccgact atgctctt 298

<210> 15361
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15361

agctntcaac aaaagtcttc acaaataatc atcacacagc agaaacctag caagactacc 60
 cataatatct cccaaaaccc catacccagc aaaatcaaga gggaaagaag tccacccaaa 120
 cctgaatttt cgaagtccca ctcgtagcca cgcacttcac gaccccgaaa atgccctcct 180

ttcgcgattt ggagcagaaa tgagtaccaa aggttggagc tntgttgggg tttcaatgga 240
 gaatgagga ggagaaaatg gcaacgtgag agagagagag agctgtctga ataagtgtgg 300
 gggctgagtg atgagagaga aaaacttttt gggtttaaataaaaaggattt ccctcttttt 360
 ttttctatta atttattcaa gctctgccac atgtcccta 399

<210> 15362
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15362

tctntgagca cagatcctga ctcaccatan accttgaccc agtgtgagaa tgtcaatcct 60
 taccctcgga agcananaag gaagagaagg aaaatttcca atcaaaggaa aaaagagagg 120
 aaaggaaatt cccaatcaaa gagtgggaga aagcaaaaag aatagaaaga aaattcccaa 180
 tcaaagaatg ggagaaagaa aaaaaaagag aaggagaaga aggaaagaaa gtccttggtc 240
 aaagatcgaa agataacaga agaaatatgc agagaggtct ttggaccaga caatatctga 300
 acaatacgga attgtcacca aatgaacaaa agaaagaaaa ggaaaccata accttaaagt 360
 ggtcttctcc ctttgattac caaccacaat catgtgcacg ggtgacttgt tcgcctcgcg 420
 tcaaacaaaa acag 434

<210> 15363
 <211> 190
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15363

agcttagtgt gagaganatt gactatgcgg agtgtcgcaa cctacccttc agcgggaggg 60
 cgacgcgaga ctgcggggat gcgtgttcca cgaaaggaat atgcgcggag acgtcaccaa 120
 cgcttatctg atgaaacgtc ggaccaaccg gaaagacgcg atctacgaac ttttaagtga 180
 aatgttcggg 190

<210> 15364
 <211> 461

taaaaaaatt ccagatggat ggacgttata ttagagatgt ctggttaaatt ctctgattat 180
 tcatctgtct gggttttggc acccttgcta tttgggtgtg taagttcaag attgggttgaa 240
 ggatatttga taccctgcta tcatgcgagt ttgggacacc aatgatggaa ggctgaaatt 300
 tctttgagaa aacaaatcgt tnttgtggac atttgtgtgg atntcttata tgtttctctt 360
 aatattctct cttatcatg 379

<210> 15367
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 15367
 agcttatcat agcacaagaa atcagcccct gcatcattca atttggattg gctgacacat 60
 attgataaat agaaacaaag aaatccagaa tcaagatatt ataggctgac aaaatactgt 120
 tgatgtagac acatcaaaag tttaaactcc ataaaatcca tcttgctatt tcttttatta 180
 catgtagctc ctttgtaaac gaaaaatggt ttatatgttc tccatttctt gcattgttct 240
 caattggttt tcctttgacg gaacaagctg aaagcctttg taagagcgac atgcaaaaca 300
 tgtgcataga ccaagacaga gtttgaataa caacgaaagt catgagtgca ttataactgt 360
 tggacttggg aaaaca 376

<210> 15368
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15368

tgtacaaaat agataganat tattacttcc tccgtctcat gataaatggt ntctaagaag 60
 aaaaaatgag tcttaataat tgttatttta gttnttttaa tgtaatatta acaataaagt 120
 tagttntata aagttattat tattattatt ttctttcatt tatatattat tttttcttga 180
 tcttaataaa naaatctagg agaaacttat tatgggatgt agagagtatt tttcttctat 240
 atatatngat attttgactt tttttctccc actanaactn taatatTTTT ataaattcaa 300
 tattattaat tatgccttcg agtccttttt ataagaa 337

<210> 15369
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 15369

agctctgagc caattcatatc gacaataact ttttactcaa atatctgatt gagtctcgta 60
 atataacgag acgctcgaaa ttgaatggcg acactcttat aaaattcaaa cgtcaattag 120
 tatttactcg gatgtctgat tatgtcccgat catatatcga gacactcgaa atcgaatgtt 180
 gaatctccta tccaattcag atgacaataa ctctttaatc cgatgtctga tttcgtccca 240
 taatatatcg agacactcga taatgaatgt tgaactctga gccaatcac acgactataa 300
 cgt 303

<210> 15370
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 15370

cgacctataa actcgctaac attcacttcg agcctacgat tttctggctc ttcacatcga 60
 aaaagtattg cgttgatttg ctagagttca cattcatttc agcgttcgat tgttgggact 120
 atagatatcg agtaaaagt attgtcggtt gaattgactc agagcttcaa cattcaattt 180
 cgagcgtctc gatatatgac gggactcaat cagacatccg agtaaaaagt tattgtcggt 240
 cgaattggct cagatgttca acattcaata tcga 274

<210> 15371
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15371

agcttgatg atatgtggag cccaccttaa caatcttctt gggagcttta tgaggctttt 60
 ttgaagggca tgaagaacac gtcgaagtcc aacatggaaa catcttgagc tagatctctt 120
 agtgagaaac ctataattct gcttcaacc tctctttgag agtgaccac ttcagtattt 180
 atgcttacaa atctataata ttcctttgat agaagtgtga gatttaattc ttgagtggaa 240

tcccccttttt tgaggtgaag aactatatatt tgtgcaataa aacacattct cttttctgta 300
 tttaatccag caatggctag caaagctaan atcaagtggg gttgctgggc t 351

<210> 15372
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15372

tgaggtcaag aacattgaga ttagtggtat tgaacttgaa gaagctgaga gtgagataaa 60
 naaaaactat taattaattt gttgtgaaca aaatagattt ataaaagagt agcttggcctt 120
 cctactagtc tggaatgatt attcaatagc ttgggttttaa attgtggtct acaaccgtaa 180
 ttgtggccac aacattacta gtacatagtt gtccacaact gcatcaacc ataattgtgg 240
 tgtggaattc aatcacacaa aatgccacaa gcatccacaa cacagctaca atggaattat 300
 aatagaacca caatggaacc ttgcactatt ctattcaact ttnnttgta aaaaaaacat 360
 attcagattg aaaccttcta ttataacttg taagtgtcaa tgatcaaagtg tgtgtgacaa 420
 tatgggatgt tgggagagac ccaaacttaa aatgaatga 459

<210> 15373
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15373

agcttctatc ttccattatt taaagagcag taaccaaaag ggtaatagtt tggattactg 60
 agaattgaag cacaacacaa gctcaaaaat ggtgtggtgt gcactaaaat tcttgacatt 120
 ctatacaaat tcttctgtcc atttttgtgt atttattcat gaataactgc tgtcatccgc 180
 aactttgaat gtgagagaga caagatcctt ttattttcaa ttgtcctaaa ttttaagattc 240
 aaccacttag aattcatgtc actgcttgat tcacatataa aagataaagt cagtcaaaga 300
 catcttcatt tgaatctatt ccaatgtngt taattaaaaa tcaatta 347

<210> 15374
 <211> 360

<212> DNA
<213> Glycine max

<400> 15374

cttgaaagac taccagaata acatatgcta tctggaatct tccttgagag gttggttggtg 60
gagaggtcca acacagttag gttactatgc ttccctagct cctcaggaat ctcacctgtt 120
aatccgtag accatagctg aagaacctga tgcctatgca aagatgcaac accctttgga 180
atcttcccag tgaacttggt tgagaaaagg tggagaatct tcagcctctg gagcttaacc 240
acacgctcgg aaatctcacc cgaaagagag ttatcactta gatcaagaga catcatcttt 300
ttgagctcga agatagatcc tggatttgac cacttatttg ttttgagag aagagatctg 360

<210> 15375
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15375

agcttgtgac tcttggcaat atctttaaca ttagtcactt aaaaagttgt gacttttgaa 60
aaaatcttca gaaaaagtc acttgaagaa ttgcgactnt tggaaaatta tttttcgaaa 120
tcagtcactg gtaatcgatt accattaatg tgtaatcgat tacacatcaa tagatgtgac 180
tcttcatttt aaattttgaa aattaaaaca tttagaagcc ttggtaatca attacaagta 240
ttgtgtaatt gattatacca tgtttaaagt atttgaaaat gtttaaacac aagctgtaac 300
tcttgaaatt tgaatcttaa tgtttaaaac actggtnatc gattactacc ttct 354

<210> 15376
<211> 227
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15376

ntactcataa tccttcatat gagcaagagg tgttgtgctt ctcttgagcc tactgctgca 60
tcttcttccc atcattccct agcccatcaa aaaaacctta tgctcaaggt gttaggtgca 120
gataacagaa cctggatccc aaatgacagt aggtgtaaga atgagttcct acagattggt 180
gcggagatag agccatttgg caatgacaag aatgatgaag acgatga 227

<210> 15377
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15377

agctntgCGC acaatggcgg ttctgattgg tcatcaagag gaaatatatt tgcaaaaagt 60
 ggatttttatt gataaaaaca acatccattc attaaaaagc ttaaccatga agcaaggagg 120
 cagagggaga aacaaaagct tcgaaagcca ttgttgaaga atatccaatt tttggagctc 180
 tagccaatcc gtttcaactgt atttctcttc cattttcttc catttcattc caccttttat 240
 atttgtaagt ctctcatgan aatgagagac taaaaccacc tggtattaga agctctgcaa 300
 accaaactct cttaaatgta attactctaa actatctatt aatatgatgt tgatattatt 360
 gctctttcgt gtactcattc acatngttgt ggtctgatca tccattttca tgaacta 417

<210> 15378
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15378

ntaactcang tagagcacia ctaatcatca acatatcaca tatagcagca gcaagctcac 60
 acaaccattg aaaaactatg cacactaaaa tcaaacatg tccaaaaaat agaaaaaatc 120
 aacatgcaaa tgtcaaagaa atatagttaa atagaaaaga aggaaaatgt tagaaatcct 180
 gngttgctc ccagtaagcg tttctttaac ttcactaact tgacgcataa caccctcacg 240
 agtcatggag ttggatgatg gtggatcaatc tctcaatatt gtgaccattg taaaccttca 300
 tcctttgatc attcatgacc tagctatget tccggttggg agaagaggng tccatcaact 360
 caactgctct ataaagcttt acatccttga tggg 394

<210> 15379
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 15379

agcttgacta tgaaagcaga acctgaaatt tttgtaggtt atagctcaac ttcaaaggcc 60
 tacagaatct acctaccaca gagcaacaaa gtaatcgta gcagggatgt caaatctctg 120
 gagtcagata gttgggactg gaaaaatgat tagaggctctg agtttcagga agagaatgaa 180
 gatgttgatg aagaacctat cagaggaacc agatcacttt cagacatcta ccaaagggtgt 240
 aatgttgctg tgatggagcc tgagggatat gaagaagcta cagctgatca aaaatggaga 300
 aatcaatgaa agaggagctt ataatgattg aaaaaataa aacatgggag ctggtggaca 360
 gacctaacca ca 372

<210> 15380
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15380

agatactcag cttttatcca ggctcatctt ggtggtgaag ctcttcttc catggcttat 60
 tccttaatgg atggcgctc ctctcacctc ctttccttg tcttcgctg catctccatg 120
 gtggaaaatc accattaaag gacccattg aagctcatag atccagctc catagaagct 180
 ccacaagcaa gcttccatca gtatcgctt atatggacgt atcatctaag acacaaacgc 240
 acagatacag atcataatct gataatacat atatagatca acctttatca nttngtattg 300
 ttgcatctat acaaataata ggatnattat ttctctttaa acataatgta tntgagttac 360
 attaccattt ttataaaaaa cattaaaata tcatcaaat ttagataata gtattaaata 420
 attctaaaaa ttaaaatatt ttttatgect ttga 454

<210> 15381
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15381

agcttccact actantttgg ccactaatca agcatggaat aaagtcataa aaatacagaa 60
 aaagaaaact tgcaggggaa ccatacgatt tcggggggaa aactcacaca cagcaccgat 120
 gtgatacaca ttgcgggaga aaagtcaa atgttactgcgg agagtgatga gaaaaggcaa 180

caagagatct agagaatgaa attgggatct caacgctggg tagaagcaat gtgtgtaata 240
 gtaaaagtaa aacgttattc tgaatttcag gggcattttc tcagcaaaca aaatcagaat 300
 ccaaaataca gtacacatgg aaagagttc 329

<210> 15382
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15382

attacggacc taatagactc agcttgctct cnacaacttg gttagctaga ctagtttctt 60
 ggtattgaag tcaagtattg tcctgataga tctattatga tgacacatat gaaatacatt 120
 atggacttgt tgcacaaaac aanataacc gaggctcagc ctatctcttc tcctatgggt 180
 cctcctgcaa actctctaag aatggcagtg atctctttca tgatcctacc ttatttcatt 240
 cagttgatgg gcactccaga atgccccttg acccaccag agattagcta ctctgtccac 300
 aaggctcgcc agtttatggc tcaaccttta gacactcatt ggactgctag gaaacatatt 360
 ctgcactatc tagagggtag tgggtcttat ggtcttcact taacacctgc tgctc 415

<210> 15383
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 15383

agcttggatt tcatttgttt gtacatatat tataggctgt gttccatttc agtatgtctg 60
 ggagagggaa tggatcaaatt cattaaatg ccaatacaag cacatccaca ggtgcaacaa 120
 gcagaagcaa aatgcttca tgaaataaga ctgatattgg gtggaaacat gggatagatg 180
 ttttatggaa tggtaaaaaa gttaagagca aatattgctt atagatcaac aatgggagaa 240
 ttttcatatt caagcatcat cttgttgagg ctagatggga ttttgaacca gttcatgtgt 300
 cgtggcagac ccgcacactg ttgtctggta gaagaagagc gagacggtaa gccttggtat 360
 ttcgatatca agcgatacgt tgaaagcaaa gagtaccac t 401

<210> 15384

<211> 405
 <212> DNA
 <213> Glycine max

<400> 15384

cttgaatatta gtgtatgtct taattgggtt tctaatatt ttcataagtt ctctctacc 60
 attcactgga tatcttccat ttgacctatt tttctcactg gagcatctct gtcttcttat 120
 catattagaa aacctcctta cacaagtttc catcgtcttg tctcctgtag ttcaacctta 180
 actttatctt gaatacaatt attcctaate ttgcattgta tgttctccca tccacctctg 240
 aattctcggc tatgccacac tctgtttttg gtctagctgg cacttgactg ccatagtgca 300
 atattcattc catcgttatt gctgtcatat agcacgaaga gaattctaac atttgggaca 360
 ctctttatac actctacctg agatttaatt tttcacattt gatct 405

<210> 15385
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15385

caagcttggg tctcctcttg acatttttga ttccttaaga gtgcaaaacg ttattctaga 60
 gagtgatggt aaaactattg ctatgaacat ttaatcgggt gttgttgaca actcctagtt 120
 ggggagcttc attcaaagtt actggatgag tttagtacaa aatccaactt ttatagctgc 180
 ttttattang agacaagcta atggaataac tcatgatctt gctaaggcaa ctccattata 240
 ccctagtctc tacacttttg tgtgaatgta tgtatacagg ttttaatgat gtcaaagacc 300
 aagattgctt caagccttan atcaagatcg agaaactaag atcaagagtt agataaagag 360
 tttatttggg aaaagaatct cacattggat 390

<210> 15386
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15386

tgtgacacta ccncattagt tcttaagaag gtattggtag tcatagtcac aattgagttt 60

tggattttac caagtacagg gagatattca tgtaatatgg tagttaagga tggagtttgc 120
 cagaaataac tagttgaaat ttgtgacact atcccattag tttcttaaga tattggtaat 180
 cataatcatg atagagttct ggtattctca agtacaagag atattcatca tgaggtnag 240
 catcttttgt tatttattga gttcactaag ttacaagta tagacttata gtctgtcagt 300
 atgccttctg ttagcttata acaagtcana agcctagcac tagctcatgg actcatatga 360
 natcaaaaag ttctt 375

<210> 15387
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 15387

aacttgggtga acgaggtatt gggcctgtat acaacgtatg cgagcaatgt accatctata 60
 attaagaaaa gacaaagctt ggaaattatt attattcact acatttaaca gtcttttcca 120
 caaatgttgt gtttaagga cacttccaga tggactagag gtcgctgtta agacgctttc 180
 gcacacatct ggaca 195

<210> 15388
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15388

gcttggacat catgtgatgg tnttctctaa tatcttcaca aaatattgtg catatgattg 60
 aacttataag atcatctcta atgcaggtgc ttcattgggtt gcctaaaatt aagtgaagtt 120
 acttaacaaa attttactat ttgagcaaatt gatctggcgc tgcaatgctt aagtgatatg 180
 cttatataaa caattaattg cttaacttca atttatcgat taatgaagca tgttttaatt 240
 acacaatata atgtgggtca agttcacaac acac 274

<210> 15389
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15389

agcttctatt ctctatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgagtttaag atatcacaaa ctatttcnc aattaaaatt 120
ttatgtcact ttctattcaa gtgataaatt cccttaacaa tgaatttctt atatattgat 180
tcggatagag caatttgaat atgattgttt aacaatcatc aataaaggag tttaatggaa 240
gagagaatgc atactcagaa ttatactggt tcagtcacac ccttgtgcct a 291

<210> 15390

<211> 330

<212> DNA

<213> Glycine max

<400> 15390

tccataattc cttaaagtct tcagctggag cctcctgcag tatatccttt ctaagcacac 60
tataagcact cttaaccgag taccttccac tgatatacgc ctccacacc cactgacct 120
caatgacatt ctgaattctg atcccccca cctcttgaat aaatgcaacc gcctgatcta 180
tctcattgtc aaatagtggc ctcctccact tgaagtccca ttcccatcct gttcctttga 240
attctacat atcctgagat aattggctgt gctgaaccga tatattgtat agcctttgat 300
atttctttaa taaacaaatg tcttcccta 330

<210> 15391

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15391

agcttataat aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taagacgcat 60
caacaagaat caagccaagg ctattgtgca agcagtcaat ggggcaaac ataccaaatg 120
attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
tgtcanaact atcatgacat gtagagaaga ataaggattc aagtacaaaa tgtcaagaac 240
ttttatttta aacaattacc catgtttgac atatectata attcaagaaa acatcaaagt 300
ttacgtgcc aaaaatgacc aaatattaac tgaaatcgac aaactacaca taacaattac 360
acactaataa ttacaaacca c 381

<210> 15392
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15392

tcaagccaag gccagactnt catgcatgca gaggcttctt catagaaaat gccanactcc 60
 ctttgcaa at ttgatttcat gcttaa atag gtggccttct tcatgctcgt gtgcttagca 120
 cacgtatgga ccgcttagcg cacgttagnt aattttgtct tatcgcgctt ctctcactta 180
 tcgaatgagc tgaagcgggtg cgcttgatga cctgnagcag tgcactcagc gatcctggca 240
 actcatcttc ttctggattc tttctcccgc ttagccactg 280

<210> 15393
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 15393

agcttgaatg tgtgtaacc accatctttc catataaggg ttgtggttgg gggagaaatt 60
 gagggccctc caaagtgttt tgcaggggta taccaccaac tgcttgctt ttagtgccat 120
 atctgaggca aggctcgaag tcagctagat tgtggtgggg aatttcatgt gtctcccca 180
 tggtttgaga gacatgtgca tgatccgatt gaggttggtg gctctta atg agtatgggaa 240
 tggagctatt gacattctca ctgggagtg atgccacatt tgggtggtgta tagttgggag 300
 gcaagccata ccgctggaag gcgtgcttgt ttg 333

<210> 15394
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15394

tgtagagatt tcttcattat gttta atcga ttaccaatta ttcataatcg atttcacaat 60
 tctgttgaga ccatgtcttg tgttcatgag tctctgctt aatcaattac caggttatca 120
 taattgattg catcgttctt gacagtgttc ccaggagtga tcaagaacac tttaatcgat 180

taaatcaaga atttaatcga ttacattggt cttganagct ttccagggtt tgggaagaat 240
 actttaatcg gttaaaatga gaatctaate gattacttct ttgagataat caattacatt 300
 gaanatgtaa tccattacca agcgggtataa ctagtttttc tataaattac caccttgtgt 360
 tctcactttt aacagcgaaa atgaatgagc ttccacgact cacattctaa tccttggttc 420
 tgaagtttca aaggtaaagt gagttgtgat atctcttg 458

<210> 15395
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15395

ttgaagatga tcaataacaa tgccatatagg ttggaccctc cagaagagta tggagtcagc 60
 accactttta acattcttga ttttaattcct tttgcagggtg gagctgatat tgaggaggag 120
 gaactaacag atttgagggt aaatcctctt caggngaagg gaatgatgca atcctcccta 180
 agaagggacc agtcactaga accatgatcc aagaaaatgg gctatagctg ctgaagaaag 240
 tcctatgggt ctcatagaacc tcacggtaga tttctgtgcc catgggccaa tgatgggtcc 300
 aattatcttt gtacatatta gactacgatg tcattata 338

<210> 15396
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 15396

tgagatgatg aagtgttgaa ggggtgaagct tctgtcttct attggtgacc acagagtgggt 60
 acctggagat atgtcgcgggt ggtcacgaga ccttgtggac gtcacgtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgtgcat agtctgtcag tgagaacctg 180
 tgatgtacct aaacaggcga gcttcttgca gtcaacagat aaaatgaata caagaccaca 240
 tagcacggaa gcttgtgggt gctggccagc tagtaatttt gtgtaatatg tgagatatgg 300
 cctctggtaa tcgat 315

<210> 15397

<211> 321
 <212> DNA
 <213> Glycine max

<400> 15397

agcttaatag tcttcacctt acagggtcgg tttatgagat tgagtttaggt ccttgggtca 60
 tattctaaga tggtttcaaa gtctatccta gatacatcat tgggacactt gcattgctac 120
 actccaagct agtagccctg agcatgaaga agagagttag aaagtcgtct taattgtggt 180
 cacccttacc acgccttagt tgcagcctct tagagggcca ccttaattgc aacctcaatg 240
 gtagtgttta gtctcacatc aactagagat atggcttaaa tagagcttaa taaaagttga 300
 gtagtcatca ccttacaagt c 321

<210> 15398
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15398

actcagcttt acacaggatg atcatagaca ttatagcagt ataacaccca cagattacaa 60
 gttaaacttg aatagagtaa ttccaattaa ctctgagaat aaatcatgat acacataaga 120
 gacacacagt aggaatagag aaagtggggg atatgtaaca cagggtataac acaagtagtg 180
 aaacatctnt aaatcaattt cctcagcaag acatcttttg caaatagtac acaaaaaataa 240
 attttggtaa aaaatattcc aattaggaac aattaattac tcaagtattt tacaatattc 300
 acagagtggg taaaatgtaa ccatttagtg atagtaccaa ccacttgagt gggtattttt 360
 caaaataaat aaaaccatct tt 382

<210> 15399
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15399

agcttggaac atacaatctg aattntaggt cctcttaagg acttagtcaa aatatctgct 60
 ggctgatcat tagaaccaat gaactcagtg acaatctcct tggacagaaa cttctctcga 120

atgaaatgac aatcaatctc tatgtgctta gtcctttcat gaaaaactgg gtttgaggca 180
 atatgaagag cagcctgatt atcacaatac aacttcattg gcagctcttc acaaaacctc 240
 aattcctgca gaaactgttt aatccacatg agctcacaag taaccatagt catagatcga 300
 tattcagctt ctgcactgga ccgagcgaca actgtctgtt tc 342

<210> 15400
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15400

tggttggact tccagaatgt tgcgaaactn tacggattac gcaacaatgt ttgctttgac 60
 ttccggagtg ttgcgaaact ntatggatta tgaacaaaag ctactntga cttccggagt 120
 gttgtgaaac tttatggatt acgcaacana tctactttcg acttcaagag agaccacaca 180
 aagttcgcaa gccgaccgcc agtgtccttg gacgaaatta gggatatgaca gttgtccctc 240
 tttacttata ttttattgga gataaaaggg aagtaaagat aagacactaa tttcgttcga 300
 gccgaacctc acctgaccga ccactagccc aaccgcgcaa acctatcaat cagaaagagc 360
 aaaaaggtag caggaacatt agtaciaaacc tcagtgtcgt ggaagcagta aaaccgggat 420
 gtcaagacgt ncccgcatgc tategaacta atcatctctg ttaaca 466

<210> 15401
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15401

agcttanata tcacaattct tgatatgcag atatatatgg cacagatgag aagcaatcta 60
 tcagcctctg tcttgactaa ttcctttntt tatgattata agctgcaatc aaaactaaaa 120
 tggacatagc ttccttgtgc tcttaagagt agcgtgtgtt tggttttacg atgagaaata 180
 tcaaaattga ttttgccctc tataagaaaa acatgatctt agaaaagata gatgttaaca 240
 agtctcatat tgtctgcctc aattattggg gagaaattta tatatttatt ggataatttc 300
 attntgtctt aattggttnt aaactganaa ctaacataat ataagagttt ataacctatc 360

ttagttctca tcttatatat tatatattag aaatataaca ata

403

<210> 15402
<211> 192
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15402

ctgctgctgt gcttctcggt ctcttctccg acgctcttat gacagctaac atgtctttcc 60
ggaaagaccg cacatgtggt caacgaccac ctgtgcccta cacatcacca nattcatttc 120
aactcattac tttatatatt atcatcacca tgcggcaatg atgttgaacg agatctatga 180
ttcatacagc ac 192

<210> 15403
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15403

agcttgaata acccaattgt atgtctctgt atcaggcttc atgtaatctg ttatgtaaca 60
aattaaagat aatttacctt gcatagaatt aataatgaag aaagagaatt taacaattta 120
gaaaagagca tcccacctcc acaacacaca gaaacaaaaa agaagaaaga taccataaga 180
attgaaacat aattgtgaac ccagtaagag tataagaaaa agaaacgaga ttcccttaaa 240
atggtaaattg aaatctttat aagtaaacaa atataagcat cagaaaaaga agaaagagga 300
agagaaagca gatgtggagg gcaaacccttc tccatattcc atgttctcaa atgttgcaaa 360
agctatttca ggtattccgc aggtagccta atgaatntgt aagaaataat attaagaaaa 420
cataatg 427

<210> 15404
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15404

ctttacagaa gttagataca agaatatgga taaataataa attcatttta taaaatattt 60

gggttaaaaa agtaagacat gatgtacttt aaatgaagta attggatatt catcatctac 120
 ataataaaat agttaaatac attaattatc tgatttttag tatattttta atgaaatata 180
 ataaataatc tataaaatat atatacacta tcatctaatt ataaactctc tcacacacac 240
 acacacacac atatatatat atatatatat atatatatat ataataaaat tatttgatgt 300
 ttataataat tatattaaaa aatatataaa caataatctt tattaattaa gagtgtnaaa 360
 aaatttacac ataaacatta atatcataga ttcattatat aaa 403

<210> 15405
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15405

agcttctata taagctgaac cattntatta ataaacacaa gttgagttnt attcagaaaa 60
 ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccaggatta tctcgtggcc ataactccca ttntacgcac tccaattaag 300
 tgattcttga gcctaaattg actttcaaaa cgagaccttt cacctcgtnn tgcaatcacc 360
 tcatttggag ccattgtagct tcagttattg ccatttctat atttc 405

<210> 15406
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15406

taaaaatact gcgcaatatc ggctggaaaa tatcagtcta agctacttca cgaccgatgt 60
 cgctatttga gtgttctatt caatccctta atgaaatatg catgatgtcg gtatggaaat 120
 gttcgatcgg tgtcatgcgg tgatgctntc cttttaacct cgatcgggtca tctttcctgg 180
 ccgacgtcga ctgtcaattn tttcgatcaa tatcggagag aattatgttt tggccgagat 240
 gggctaaatt tttcgtggcc gaataaatgg gaacatgcc a gtttcggccg aaataaaatg 300

tcggttgagc ttgcacaaca atacctatcc gacctacatt gtacattatt tcatcaacac 360
caacacacg 369

<210> 15407
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15407

agctttacat gtgcggggttt aagaatcgaa ggccaagtca ccgcgatata cgaggatgac 60
tccccaaagga gatcggattt ggtacagcta tgtcctcccg atttccgact atgaaattgg 120
cgagtggagg aactccccga cgtttacgcg acaagcataa tgtatccttt tgtaatttta 180
aaactctacg gatgggccta ggcttttagag tttccttttg ttaagcatta tgtcttttgt 240
ttttgaagtt ataataaaa gatctttctt catctgttcc tgcgcctcta cccattctca 300
ttcatttgca tgtttatttc tttacgctta anaatgctag atccgatgac gagtccctcg 360
aaggtactaa taccggggac ccagccgtca atttcgagca agaagcgggt cgga 414

<210> 15408
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15408

tggaaggatn gatgnggaca cggngttgag aaaaacgagg atatgggcta cgtgggagta 60
cgtgagctca gttggagggtg ggcaacaggg gatggtggat ttatgcgcga tttgtggatg 120
tggaaaaactt gttgtgcacc atgccccgac cgccacctag taccacatgt gatgggtacc 180
ccataatcct acaagcttga gatgaggaag tgtagaaggg tgaaacttcc tgcttttatt 240
cgttgaccat agagtggtag ctggagatat gtcacggngg tcaggagacc ttgnggacgt 300
caggtggngt gctattgccc aaaaccaagc ttgaccaatc ccgaccaac ccgggcatag 360
tcagtcagtg agaacctgtg atgtacctaa gcaggcgagc tcctgacagt caacagat 418

<210> 15409
<211> 355

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15409

agctngtcca caaaaaatag ggttttgaaa gtttatcatt tcagtttctt accaagtaaa 60
atggatcatt tttaagggtcc aacgacttaa aatgatcacc tttcaagtaa aaagaatcac 120
ttgattcacg cataagaaag aactacatag gtctgatttc ctctttgatg gaggggtacgt 180
aggagcaaaa gccccgcttt tgtcgacctc aaaaaataaa aagaaataaa gntaaggtaa 240
cacaatttcc acaatttctaa aanataggct gttgtccttc aagacaaacg taagaagtgc 300
taataccttc ctcaaccgta aatacaactc ccgaacttag aatttcattt ttgat 355

<210> 15410
<211> 425
<212> DNA
<213> Glycine max

<400> 15410
tctctgaagg gcatgggttat ttccagtttc ctggaaatat ctaagaatct tgccaaatgg 60
cggtccttct ccttcttgga aggtaccata cgatatggta ctttcgaacc ttcattcaca 120
gctttttctc ttttattctc tctagcttgt tcacttctac tctctcttc attcttattg 180
ttttcatcta tttcaatttt ttcattttct ttttcttttt ctaattcttt ttatttttct 240
tggtcattta attctttttt cttgaccatt atttcgtttt ctttttctta atttctttca 300
cttctcatat catctgtctt ttcacagta cttttctttt caataacttt cttcttggat 360
ctaacactat cctcatctc tgcctcaca aacctcttac tctttgcac acagaattgc 420
attcc 425

<210> 15411
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15411

agcttagctt aaaattaatt tanaattctt acaagtattg caaaaattat ctacgaatta 60
tggattgaaa tcttgtaa taatgaatcc acttttacca aaatttattg cttcttttct 120

tactctaaat gtttgcataa acttttataa tatttacata acctttangt gatataattca 180
 attattcatt ataattnttt tatctagagg atntataaca acaactcatg tacctttatt 240
 taactaattg aactanattt cttgacatcc attatacatt tttataatat aaaactaata 300
 gcagtaaaaa tatattatca actattcagt aacaattata aactgccttt tnngttccct 360
 aattntgttt tttttaaaaa aatctt 386

<210> 15412
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 15412

tgaagacaag actatacgag gtatctttct tgcgtatagc aatatctcta agggctaccg 60
 tgtctacaac ttgcaaacta agaaactcgt catcagccga gatgttgaag ttgatgagta 120
 cgcttcttgg aattgggatg aagaaaaagt ggagaagaac gttcttatac ccgctcaact 180
 acctcaagaa gaagctgagg aagaagacc aggtgaacca cttcacctc cgccactaca 240
 actagatcaa gaactatcat caccaaagtc tactccaaga cgagtaagat cttgtgggga 300
 catatatg 308

<210> 15413
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15413

agctntctaa gagcacgaga taagaaaccc ggaaactcaa gctacatatt ctatttgatg 60
 gcttaaggta ttatcgacga atacctgtta acaagattct tgataactca ggttatgtag 120
 ttctctggaa tgttggtggt taatttctct tgggttcaaa aatttataat tgaaagaacc 180
 atagacgggt ggcacaagat ggtttaattt atttcanatc cgtaagcatg aagaacactt 240
 gcatagtttc gttcttaatt accangtaag tcgctgcatt gcaaacttgt canagagaaa 300
 tgcagactgc atttgcaaaa ttanacggtg actggatcac caatcacaat tnttcttttc 360
 tttttc 366

<210> 15414
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15414

tagcaggatg aagttgaggt ggaatttggt atgtatgaaa ctgtgcaaaa ggtagatgtc 60
 atgaagttgt tacaacttgt agatttggtta ataatttgt agttaactac agatgatctt 120
 aatctgattg ctttggaagt gtattgatgt caacacaatt ggtcatcata tacacagtag 180
 aggtataatc atgctaattt actgggttac atgaagtttg tcatgttcaa aatatcacat 240
 atgcaaatta atgatacctt gtagacaata gcctccgaaa ttgattatca tgattcaaaa 300
 ttaaaagtta caccattaca ctgtcatacc atntaaccga cagaaagtat ttaatacaaa 360
 gtcacactat acttgaaata ctccacatct gcttaagaca ctangtataa cattgcatga 420
 agatatatgc attcacataa 440

<210> 15415
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15415

agcttgtcca caaaaattca ttaaaaaagg atttgaaagg ggccctatac ccgggttcat 60
 gggaatctaa ggagtggagg tgaatctatg atcatgctan gtctccgact tgcttgataa 120
 tagtgaaacc tcatctagag ctttctctct ttataatatg ttgtcgccgg tattccatac 180
 cgccacaata ttattatatt gagtgatgat acctctagaa aagggtcatg tgagttatga 240
 atngttggga gtagttatta gagacccta tatattgtcc tatatgttcc caaatagggg 300
 catggagcga acacgtccg tgccaattgt tctcatgc 338

<210> 15416
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 15416

ccttctccag gtggtctttg gcatcacatt taaacttgaa ccattgtcgt tgagtacctt 60
cgcgacgaca tgggccatac atctgactga cacatgtaga gccttggtgt gccctctccc 120
ctcaatggga atttcttctt ccgcaaacgc gatataatta ttggtgggta tatgattaac 180
aatgccttca aaacctcaa ctgagatgtc gtgtgctaca tgtgtctcgt tgaggacttt 240
tatcaacagt gcacgatgag gctcagagtt tatgagcaat tcgagtaaag agattctcat 300
cggaagttta ttcagttgct caactacttt aaactcgctt tgttggatg 349

<210> 15417
<211> 342
<212> DNA
<213> Glycine max

<400> 15417

agcttatgct tttaaaaaa gggtcatcaa gtcaagttga aatatggaag taaccgtctt 60
gcaaaattgg ggcaaaagat gaatcgagtc atatcactgc ttcgtctact gccaaacata 120
tttaggattg ttgatgtcct tggtacttcc agtttcacct tgacaaagat gtcatggacc 180
atgttgaaaa tctaaattga ttcaacccca tatcctgcgt aaaaattcgc aatacttcaa 240
ctgtacatca ttgcataca tccatgcttt tcattgggtg cattgctcat tgcattcttt 300
cctttgaaaa taaaataaaa taaaataaaa taaacttaat ca 342

<210> 15418
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15418

ntgagacctg cattgcgggc tgctgategc gtccttcaca ctcagctact acaaaaagctt 60
ggtgctaagt ttctagagag tataagctct gtgacagaac aatgtggcgt tcacttcggg 120
tgaaagacta tggccagcct ttgctttact tcaagaagag ctcaccaacg cgctgttct 180
atctcttaca gacctttcta acacatttga gcttgaatgt gatgcctctg cagtgggagt 240
tggaactata ttgttacaag gtgggcaccc tattgcttat cttactcgac gaataaactg 300
caacccaaga ggtgtggcca tgctaacaag tgtctgtgta caaggagaat atatggaggg 360
tcgctagatg ggaaatccct taatatttgc tttatttggga aagggttcc ttctagctac 420

ctctcggaga gacacttact cttcactctt cttaccatta aggtggtctt cttctgggtg 480
atgtctcact gatcctccct t 501

<210> 15419
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15419

agcttgtata ttaattggca tacgaattca tcttctactg aggtcgcgag tatccaaatt 60
catctcctat tgattntgag tataatccca gtacttaaatt cttataata tagtttaaaa 120
cataatattc atatttcac tctttaaagt tagaagtaat atttaaaatt aatagataga 180
gcagttatgt atgtgtgtgt ttggttcacg agattagtgt gttatttatc caacattnta 240
atctcttcga tgtttctaaa tcantaataa ttgtctcaac tgcattggatg tacttaaaaa 300
catatttgtt atattataat atcaacaata ttaacatata taattgagaa ttaaacaatt 360
ta 362

<210> 15420
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15420

tctccttcct tttcctataa ataggagaag gagggaagaa caaaaatgtt caaccctcct 60
ggtatctgag attcacttac aattagttag aaaaattgtt tccgtgaaga acatccaagc 120
caaggcgctt ccgtaacgct tccgtgatgt ttctgtgggt gatttcgcga agattntcaa 180
ctgttattcg tcatctttg ttccgtcttc ttccgtcttc ggtcttcaac ccgtaagttc 240
ccgaaatcaa actcttcaat tcattctatg tacccttagt gtcttcatta gtttcgcgtg 300
cttttatctt catttcactt actcttcgta cctcctttat gacgtgctt 349

<210> 15421
<211> 224
<212> DNA
<213> Glycine max

<400> 15421

agcttatata ttacttttacc cccggacgac cagtaaacct gcctcaatat aaattcaaaa 60
tcttcataag tatattgaat gtagaattac cactaaacgc gtacattaat taatgtggaa 120
ttatatcaat ttagagattt caaattataa tcctagatat gcagaatccc attaaatatg 180
aactgcccta catcacctag aaactttttt atcaccata ttat 224

<210> 15422

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15422

ntggattnga tacaagaggg cttagcaact agagagacct atgataagga ctaacaagga 60
tggtggcaga ggcggttgac tttttgatat attggtggat tattagtata ttttgatgca 120
ttatgcacaa ttattgttgc ttttaacatat tttttagttt atgttgtgga tgaattacct 180
tttttttttg cggtcacatc tgttttaaca acacgtgcct tagaacaaga actatTTTTT 240
tattgattct taaacaaaca ttaacatgaa caacttaaaa agcactaata atactaaatt 300
ttgttaaaac catcaacgta 320

<210> 15423

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15423

agcttgtgac ttgcataaac tccttttcag tggatgacaa tagaagctaa aagttaccaa 60
gcatacatca aactgtttca aaaagtccaa ctatcatttt attcttaata aatgggagtt 120
accagtataa aataaactat ggctgcaaaa ttgtacttca aaaaaatata aaatataacc 180
tgatcaaaga catcaatata gactttgtgc agagaatgag aactgcagaa ctgattaatc 240
tcatgatgaa tcttgtcata tatccatgtc ttatcataat gtacaccata gttgagcaat 300
gtctcaaaga caaatccctt atggagttga ttcacaacct anaagaagaa tatgcatcac 360
tgctatgaaa atattgaaga tgtgaaaaga aaacact 397

<210> 15424
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15424

gntgtgaaaa gagannaaac tgaaaacttg ccttttcctt gattngcata agaagttcat 60
 cgtaggtacc agcagtctct ccatgtttct canaaggtaa gagttcataa tgcaggggaa 120
 agggtaaaaac cttcaagact tcaaagaaca catcanagga gaagttgaga aattttttga 180
 attcattgac actatttggt ggtgggattc caatcctcaa ctntgctggg ggctctgttg 240
 tgttaccagg ccattttggt tgctctaatt tagaaagccc nctctctggc atccaatttc 300
 caatgctcct ctctgtttgc tccacaacat tgaacacctc aagaattgat ggctctaggt 360
 tgtctttaac caaatggaaa ttac 384

<210> 15425
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15425

agcttcctta tgagttgcga ttacagttgc gaatggttca gtttcagtga agaggaaggc 60
 tgaactgcga accgattcgg ccatggttgc gacgaagaga tcgggttcaa tcggagggtc 120
 tgcgagtgcga ttttctgcgc cgagatggaa caacaccgga ggattgtctc ataaagcgtt 180
 gatcttcgat ggaaggagaa aaatcgggtgc ggaatctgcc gccggatcta ggagcagctn 240
 ttctgtgggg agcggcctgt gcggaggttg ctaccggagc tccgacgaaa tttggtgact 300
 tcttcacaca ttgttgtgaa gtcggttgag gccttgccga cgacttcgac ttcgagaact 360
 tccggtgcga gtaaggtgga gacngcgaag aagccggtga gtaagccaac atta 414

<210> 15426
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400>

15426

tagctaaata tggatgttat aacattggga atcatagtcg gtattatcat cctcttcctt 60
agaaatgggt gctacttctt catcgaaggc acttgcaact cacgctctta acactaacac 120
tcttcaatct ctctctattt ttcaattcca tggcattggg tagaaaaaag agtgtgcaat 180
tagcattttt gcttctcctc tttttgtgtt tggatctggg aatagcgcat caacatcagg 240
gtcattctca ttccattctt ggtttctgtg catccgatgc ccatcatcac tgtggagatg 300
accatctcca 310

<210>

15427

<211>

416

<212>

DNA

<213>

Glycine max

<223>

unsure at all n locations

<400>

15427

agctntgatg cttgtgttga atgcattaaa ggtaaacaga ccaaaagcaa taaattaagt 60
gcatataggg ctactgacat cttggaattg atacatacgg acatttgtgg accatttcat 120
acacctttgt ggaatgggtca acaatatttt atatcattca tagaagatta ctccagatat 180
gcatacttgt ttcttataca gganaattca caatctttgg atgtgttcaa aacattttaa 240
gttgaagttg aaaatcaact caacaaaaga ataaagtgtg tcagatctga ccgtgggtgg 300
gaatactatg gcagatatga tgggtcaagt gaacaacgtc cggngccttn tgccaggtac 360
ctagaggaat gtggaatcat cctacagtac accatgtcgg ngtcacctag catgaa 416

<210>

15428

<211>

339

<212>

DNA

<213>

Glycine max

<223>

unsure at all n locations

<400>

15428

tctcatcatg ctgcttctga atatccctat ctgttngcac tgtcagcacc cttgggttctt 60
ccaaatcaat accaccatgt tgttgctca atggctctac ttgtacttga tcaatttggga 120
caaaacgcat tatggtaagg ctaatcccgat gatgttccac cattctccat ccatagcaca 180
atgcctctct atcatctgggt cctccanaga acaacactgc tacatgatga gatactngat 240

ttcccgctag atgggttagag ccacttaagc ctttatccac taganattcg accgagcaag 300
 ggtgcattgc tagcacatac tgggtgatgg atctgtatg 339

<210> 15429
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15429

agcttccttt tgaatccgag catgcatttc tcacctcatc aatcatatct agctcanaag 60
 ctcagctntc aatgttaagt gcttcttcaa agtgagctct tctagttgag gggtcaccaa 120
 cctcaactgg aatcatgaca ttagtaccat tagtcaatcc aaaaaaagta tagtaccatt 180
 tattgtggat tgtggagtgc aatggtatat acccctataa tatacaagac aactttctcaa 240
 cccaaagacc ttttgctntg tccatccttt tattcatctt tgtcaagatg accttggtcg 300
 ttgttgctgc ttgtccattg gtttggggat gttcaataga agataccaaa tgtttgatg 359

<210> 15430
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15430

tgtatttaan aatgtntan aaataccttt aattaatatt tgaattttta ttcctttatt 60
 aatatatatg tgaggggtag aggggtgtcac atttatggct tgtacttgta ccatatgcc 120
 ttctcggttt tcttcttaga atcgacatn tattttcctt ttggtcttgt ttctatttag 180
 ttatatatgg ctcaagttga agtccaattt gcaattgaga atagactttc atttttgttc 240
 tgatctcaca atctgcatgc attgttagga tcccttgat tttattatcc gcttaagtgt 300
 ttagagtga tcatcataaa tttattctat ttgtaagaaa tggtttagtt gattaagatc 360
 agaggatg 368

<210> 15431
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 15431

agcttcttat gcaaggaaac tcttggcggt gaagctcctt cttccttggc ttattaccta 60

gtggatggtg cctcccttct ccttttctcc tttgccttcc gctgcatctg catggtgtat 120

aatcaccata gaaagaactg attgaagctc agagaccac actccatata agctccacat 180

acaagcttcc atgatctagg aaacacttga tttgtggcca aatcctgagc ttgaattaat 240

cttgaagcaa tgcttcgttg ttgaaacaac cttgtattaa tcttgaagca atgcttaaca 300

tttgaatggt tgttgaagta atcttggaaa aaccttggtt attattcttt ggcatcatca 360

aatcatgatt atacattcac attct 385

<210> 15432

<211> 492

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15432

ttgacccctt gnatttggag cactagtatt cccggcctgc cgatcacgcg ctgtgtagca 60

ctgggggatgc tcttgagatt caacttctac ctcacagtga tggaactcac attgtgcaga 120

acctacgcaa gccgttgaag tctcttgga gaatttacgg acggagcttg gttaactgac 180

taaccttctg ccttatcttg atcgtgaaaa gtctgcctgg aggctctgga ctctaactga 240

aattgatcat cgtggatggc ctattgctca cttactctgt taatgaacgc tgacgacgaa 300

ccgtaggtgc ttgtggcaaa tgtgcttttg ctgcatata ggatgaagga catatagggt 360

gcgtaggaca ccacaatttg gaatgacgca aagctgttgc tctttgaaga ctactcacgc 420

acacttgcatt attatctacc tgtaatgcatt tgagtgtgaa gatctagggt actgtgttgt 480

agatttcttg cn 492

<210> 15433

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15433

agctnttgct acattagctt ctttgcaata aacgtgcatt aaagtagtga aggtagcaac 60

agttggaatg atttgcattt caagcatcaa atcaagaacc caaatagcat tttcaatctt 120
 ctttgaattt gcaagccctc taacaatagc gtcataagca acattgtggg agctgatacc 180
 aagtgttttc atttcatctt gcagtttcat tgctcctttt atgtttccaa ctctacacat 240
 gccattgatt aaagtgatat attgtttatt tgtaggaaca gaaccacttt ccaacaagac 300
 ttgcaaaaca cgatgggcct tatgaaaatc actagttcta atgagtccat taaaaaggca 360
 ttgtatgtat ctacattang aataaccata aactg 395

<210> 15434
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15434

ntcacaaaat ccagacaatt caattctatt tgtcatgaaa ctaccttaca caatgaagaa 60
 cagagtagag gcagaacctt tgcacaagat tcattcaaat tccacagagt ttttcctaac 120
 ctcataacct caaaaaatcc tcttcgttta gattcggtta ccattggatc gccttgaaac 180
 ttttactgga ggttcctaata acagaaatct aaattttgac cgttgggatc tgctagagaa 240
 tgcttagaac acgagatgta ctacctttcc cgtgactagc actgcactaa ccattttctg 300
 cataattggc aaaatttgct gcacaatttg acagcttttg ctgcataatt tggcagattt 360
 cgaattctag c 371

<210> 15435
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15435

agcttgctta tgcaagtata agaatagcac ctagtgttga anacttcaat atgtcttcca 60
 aatcccacaa agtttccatg agtttatttc ttcttttcta ttttgagtgt gaccaagtga 120
 gtcacaaatg gtaaggtang agcgttgctt gttttgatgg aatgtatttg gtaattaatg 180
 tggaataata gaagttaata atatgcatgg tcatgttgcc acttgcatg ttgagttggc 240
 aagtttcata tgaggtccac cgctggtaga attgttgaaa tttggcccca attaacactc 300

gtggtgatac ttataaattg ttaccggttg aattgatagg tggctcacog ttcatagatt 360
aatagaggct tctcacatga cttctgngat agccatcaag tgatg 405

<210> 15436
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15436

gacactatag aaactaagct tnaattgtaa accttctccg ccgttacaca tacaaagctt 60
caagagagga agaaaattaa ctatctcccc tctctagggt caccattaat atggccccctc 120
aagtgggtaa actcactcct catacacaca aattcatcaa catcatcacc ataaacacaa 180
tcgaattatg aacattaatt ngctataatg tcaaaggctg gataccctca tacctaaaac 240
caaagtgcga attataactc aacatcatat aatagaagca atctcatcat agaagcaatc 300
tcatcataga agcaatctca ttatagaaac aagagtaa at tacacatacc tccccct 356

<210> 15437
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15437

agcttcttgg ttggaagaa tagggagcct atcaacatct tacagtatgc tgatgatact 60
gttttttttg gagaggctgt gtgggacaac attcatgcta ttaaggccat cttaagagga 120
tttgaattag cttctggttt gaagattaat tntgccaaaa gccaatgttg ggttattggt 180
gatggtgtta attgggcat ggaagcagct aataacctga actgtcngta gctggaatgt 240
cctttccttt acttangcat acctattang gctaaccct ctagccagct ggtgtgggag 300
cctatcatca ct 312

<210> 15438
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15438

ntatgaactt gganaggaac ttgaactata ctatagcctt ctcgtgctgg tgtatcttga 60
 tattaggcag aggcaattct cagggaacat caagctcact ttcggataag gttcatcaag 120
 ttgaatggaa atcttttagc accctcatct tgttcttga cttaaaccctc atgcagaggg 180
 ataagggtat accattataa tgattgcata gttggtcata tagggttaat tgaaagtata 240
 taatttctct atttttttca cgacagattt gtttaataat tataaatgga ttcatagttc 300
 cttcttgact ntcagcttct acagtgcatt catatcaagt gataacattc tcttttatga 360
 taataacatg actcctactt ggaata 386

<210> 15439
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15439

agcttcatac caaagcaact cataatctag gtatctaaaa cccctcaatt tagtggattn 60
 tcaaggtttg agaagtgaaa atgagaatgg tgtaaatttg gagcanactc tcacctcaca 120
 caagtctata acattaatct aaacttgctc aaactgggtn tacgectaatt attccactga 180
 atcaaaattt gactcatcaa caccatant taccctagaa atggctcttg tttcactctg 240
 gtcactcata ttctcattt gcacagtcta agctttctct taagtectaa aagacatttc 300
 aaactatgat taactcactt taacccccaa ttaccactga atccagattt agccttccaa 360
 ctctcaaagc cttactcttt gttgcactca taacaccaca ttctcac 407

<210> 15440
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 15440

tctacttatg tggcaaggcg ggctttcttc actttcttgt ctccaacgag agctctgacc 60
 actgttcttc cttcccgga tgcttcttt catgtccgcc tgagtgggct tatagcctaa 120
 tccatacttc ccacgatttc ctgggttat tatcaagcta gttatgccgc cattgtcttt 180
 gcctaaaccc attccgggtt cataaccgtt cccaacata actcgggtcca tcattaccgg 240

cgcatcggac agacaagggt gcccaaagag ggagtccacg atgaaatgct gaccacctca 300
 taagactgga cagcgggttc taacgattct tctgcggctt ccacataagg catggaggat 360
 gggcagctta cca 373

<210> 15441
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15441

agcttcatgc tgctcaattg ctccagggtg ctgcatggaa gggcaaagggt ctgtatgggtg 60
 gtcagcagag gagcacaac cacaaccct tgcaacagggt acaaatttct gattcaaggc 120
 cagctgggtt accaagttaa ccaatgcac cagtttgctt tcaagcttct tagtttcaga 180
 tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
 ggcgctaaac tgctaggagt tggaagccat cttctctatt aaatntctgg cttcagcagg 300
 agtcatgtct ccaagggctc catcactggg agaatctatc atacttctct ccatattact 360
 gagtccttca t 371

<210> 15442
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15442

tcttgaggaa gccttntaat gaagcttctt gaggaagcta catgaagttg cctcggtaaa 60
 aacgcttccc agccttcatt aaccgttggg tcttctcgaa atttggttta caacttcaca 120
 agacatttgt ccatgatctg accgttggga tcttcaagaa gatgtctgga gtgtgggcta 180
 agcttccgtt cctggagcat ttcttattta agcatttcgg ccattgcttt cgtgtatctt 240
 aagaanaacg tcatttcttc tcctttcttt cttccaaagt catttctaac atcccaatca 300
 ctgtctccat ctcccacagc caccattagc caccacaaac ca 342

<210> 15443
 <211> 348
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15443

agctttgatg gtggaggata gacgaacagc gctaggcaat caaatcatgg gtctccgaat 60
aagattttat gtttgaggat agatgaatag tgctaggcaa tcaattcatg ggactccgaa 120
taagatttga ggggtggacga taaacgaaca acgctaggca accaattcgt ggtgctccat 180
actcaatggt ggaggacgca tgaacaaaac tagggaataa attgatgggt ctccgaataa 240
gatntgaggg tggaggatag acgaacaact ctaggcaatc aatccatggg gttctagact 300
cgatggtgga gaacgcatga acagcgctag gcaatcaagt catgggtc 348

<210> 15444

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15444

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ggctgtctga aatttctgtt ttgctgagtg aggagagaga aaagctttct ggtcttaaata 120
'aaaaggtttt cctctttttc tattatttta ttctagctct gccacatgtc cctatttgat 180
tggagaaaaa aataaagggc ccactntctc tttttgactg tgaccatac tcagtcacaa 240
aagtgagaaa aatntgacct ttgaaacgct aaaatcctgc ctcggtttgc gtgccgtttc 300
tetgattcca gattctcgcg tttctctgcg tcccgccggg ccagttttcg aaagcaagca 360
atatatatat c 371

<210> 15445

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15445

agcttgggcg catgcaattc aaagaggcat aacaaatgga ttatcaagag tatcagaggt 60
catcacactt gtctcgtgcc gatgcttaga caagatcatc gccaaactga caaacacgtc 120
atagcacaga tcatccaacc aattgtcaaa acaaaccгаа ctgtctccat caagacattg 180

attgcagaga tcaaaacggt catgaattat accctatcct acaagaagac atgggtagca 240
aagcaaaaaa cattggagat gattcatgga aactgggaag aatcatatgc caaactgcc 300
aaacttttcg gagctttgca atcttggtt cccgggactg tggtcgctgc tcanacagaa 360
tccttgatg 370

<210> 15446
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15446

ctgaagaaag gttatgaacc ttacgagcat tcaactcanat tctctatgca caaacatatc 60
cgtaaattct tgtaaagttt agaaaaaatc tcacaacaca ttgattatct tgagagaata 120
ggctaagtgt tgggattaat attgtatatt cgtttgtaag acgctcatgg agttagtcat 180
tgtgcaagca caaacaacan atctttctta tttgtataga gtcaatagtg acttagtaga 240
acaaagaata ctagggtgat tcaagcttgc agtatagctt gatttgtcag agcaacacat 300
gttagagata atggcacgtg gaactataaa ccaagaagga tgaattgttc caaattgctt 360
tagaaccaaa tgaaaatttt agaagatagc ttcattaatc caatgattta agagtatt 418

<210> 15447
<211> 371
<212> DNA
<213> Glycine max
<400> 15447

agcttgaaca ttatctcctt ttgggttcgc aggttcttcc atgcacggaa tccagtgatc 60
atctcgatta caatgcaccc aagagaccat atatctaacg ctggttcaat ctgaccaacg 120
atcgattctg gcgacatgta aaaagggtgc cctctaaact tgaccttccc atactcagca 180
tttgcattct ctctagtctt ggacaaccca aaatcagcaa tcttcagttg ataccttgca 240
tgatcatcag atgaaggaaa gagaaggatg ttgtccggtt tgagatcaca atggacgact 300
ccttttcgat gaatgcaaga aagccctttg agaagcatac gagtgtagac tcttacttca 360
ctatccgata t 371

<210> 15448
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15448

tcatcatcaa tccaagaaga aagtgataaa gatgattcac atganataga cgatgatgat 60
 gatcttagtc tttntgtaaa aagattcaac gaatttttaa gaaacaaagg aaatcaaaga 120
 aggtcaaatt tcaaatacaa gaanagggca gaagattcgt cctctattcc aaaatgttat 180
 gaatgcaatc aaccaggaca tctgaggggtt gattgcccaa ttttcaagaa aatgatagaa 240
 agatctgaan agaaaacttc taatgataag aaagccaaga aggcctacat tccttgggat 300
 gacaatgata tggactcatc tgaagattag aanatgaagt tgtgaactaa gtctgatgcc 360
 caaggattat gaaagcaatg aanaggtaac atcttctgac aacacttatg tattttca 417

<210> 15449
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15449

agcttgtcaa acactatttg tttctcgtga agggacaaca aatggcaaag gagttagagc 60
 ttttagtagta agaataattg cttattagtc tggagatgga tcatggtaca ctaacatgct 120
 tttatttagt acctttctgc acataaaaag tgcccaattt tgtatgcttt gtcctggagt 180
 gacgaacaag attgtgcgag agactgtact aaggttggtca cagtagatct ttggagtcnt 240
 gaaaaactca gaagagattg aatccatatg atttcagctt cagtactcag cctcagtgct 300
 ggactgngcc actaaattct gtttcctggg ccaccacaaa attaaattgg ggtcaagata 360
 tatacaagca cctaaagtgg acatcttctc attcatctat atatgaagcc tagttntcat 420
 cacag 425

<210> 15450
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15450

tgtctcctat gcagtgacac tatectcaga atntataaaa atgttgtgac agatcctaata 60
gcaaaggaac ttgcgaaccc caccactcca aacacaatct ccacaccatt gctgataact 120
catactacaa gaaaatatga tttgttagatt ctccacacca ttgctgaaaa ctacactac 180
atagagtttc cgaggctgga ataacattcc tacgagccan attctattta gagggaaatgt 240
gatcctaaag cgctntccat gcaaagcctt gaatctttaa agcatcttct tcacctttca 300
atcctcccca ca 312

<210> 15451
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15451

agctttgtgg ctgaggacct atataacagc accagggttt tagtttttag agtttttggga 60
gaggagaata attntaggt tttgcaattc cagtttttat tactgttcat gcacactgtt 120
cacgtagaat aaaattcgtt ttctgcaatt gcgtttctgc ttcaatctac aatttcattt 180
tctactgatt aatggaaggc taagtctcca gcattttttt ctcttaagga tcaagcacag 240
ctctctttga ggttttggtt ttactattga attttgatca gtttctcctt ttcaccaatt 300
actctgtatt tggtgctatt aatccatgca tgcttagtgc ttgattaatt gtctctgcgc 360
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<210> 15452
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15452

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tactccatat ggtctggtta tggagcggtc agcaagttgt aaagtcatct tagtgggcat 180
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cccaggggtct tgatgcttgn gtggaaggat cttttgaatc acaacactac aatttccttc 360
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<210> 15453
<211> 379
<212> DNA
<213> Glycine max

<400> 15453

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gtagcaaaat gtattaaaa 379

<210> 15454
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15454

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catataaaat atagaaacag cttcaaagt gttagaaacca gggggactgc aaagccata 240
cctgaactgc agcttgata tcagaacttc taagcttggc atcacatata gcagccacag 300
cttcactgac aaatntgctt aagttgacac ttcgcaactc gtccatcaga gcttcacgct 360
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 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 ttcttagcct cagcaggggt catatcacca agagctccac cactggcagc atcaatcata 180
 ctctctctta tgttgctaag tccctcatag aaatattgaa gaaagagttg ctcagaaatc 240
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 <211> 200
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 cagctatcac cagtgggtgga agaanttgc gagatcctag gatgtcctct anggggaatg 180
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<210> 15457
 <211> 382
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15457

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